RECORD

1982

1982

JANUARY

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

FEBRUARY

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	--	--	--	--	--	--

MARCH

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--

APRIL

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	--

MAY

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

JUNE

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	--	--	--

JULY

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

AUGUST

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--

SEPTEMBER

S	M	T	W	T	F	S
--	--	--	--	1	2	3
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	--	--

OCTOBER

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

NOVEMBER

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	--	--	--	--

DECEMBER

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	--

1983

JANUARY

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

FEBRUARY

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	--	--	--	--	--

MARCH

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31	--	--

APRIL

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

MAY

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30	31	--	--	--	--

JUNE

S	M	T	W	T	F	S
--	--	--	1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	--	--

JULY

S	M	T	W	T	F	S
--	--	--	--	--	1	2
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
31	--	--	--	--	--	--

AUGUST

S	M	T	W	T	F	S
--	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31	--	--	--

SEPTEMBER

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	--

OCTOBER

S	M	T	W	T	F	S
--	--	--	--	--	--	1
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	25	26	27	28	29
30	31	--	--	--	--	--

NOVEMBER

S	M	T	W	T	F	S
--	--	1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	--	--	--

DECEMBER

S	M	T	W	T	F	S
--	--	--	--	1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

691 - Cid
772 - Iodo
551 P+D
2014

Timothy Plowman
Botany Department
Field Museum of Natural History
Chicago, IL 60605-2496

CRPT
BOT
Plowman
024

VERNON McMILLAN
THE ROYAL
611
63
55
ACCOUNT BOOK
144 PAGES • 7⅞ IN. X 5
m X 12.4 cm)
AVAILABLE AS:
No. 64-5302 (404
No. 64-5306 (404
No. 64-5308 (404
S.A.
VERNON McMILLAN, Inc., ELIZABETH, N.J. 07208

12030

Vickers 118

Zanthoxylum cf. tachuelo Little

det Byron W.P. de Albuquerque

Minzkoro.

Labels needed

NOV 2 8 1982

Miami, Florida
28 nov 1982.
6834 SW 78 Terrace.

12030. Spathiphyllum Arac.
(2+2) Cult. Herb forming large clump.
F-2 Spathe green. Spadix green.

12031. Dracaena fragrans Liliac.
F (1) Cult. as hedge 2.5 m. tall. Fls. in bud cream with dark red stripes.

12032. Excoecaria bicolor Eup.
F (1) Cult. Shrub 1 m. tall. Lvs. shiny green above, red beneath. Fls. yellow.
Ex Australia.

12033. Codiaeum variegatum (L.) Bl. Eup.
F (1) Cult. Shrub 2 m. tall. with white cloudy latex. Lvs. variegated, becoming purple black with occasional red spots. Infl. pale green.

12034. Kopsia fruticosa A. DC. Apoc.
F (1) Cult. Shrub 1.5 m. tall. Fls. pale pink.

12035. Guaiacum officinale L. Zygo.
F (1) Cult. Shrub 1.5 m. Sterile. From 2

NOV 2 8 1982

nutmeg plantation in St. Lucia, WI.

12036. Xanthosoma Arac.
(1) calalú
F Cult. herb. Spathe pale yellow. Leaves edible, cooked like spinach. ex St. Lucia WI.

12037. Diplopteris cabrerana (Custr.) Gates / Malp.
(1) Cult. spandent shrub, 1.5 m. tall.
F Sterile. Ex Plowman 6040.

12038. Oxalis rubra St. Hil. Oxal.
F (1) Weedy herb. Fls. pink.

12039 Eranthemum pulchellum Andr. Acanth.
(1) Cult. sub-shrub 1 m. tall. Fls.
F light blue.

Orch.

12040. Vanda 'Laural Yap See Grape x
F (1) Ascda Sunkist
Cult. hybrid orchid. Fls. salmon-purple turning yellow-ochre.

1204H. Chamaedorea metallica
F (1) Cult. single stemmed palm. Rachis orange. Frs. shiny green.

NOV 2 8 1982

12042. Oxalis neuwiedii Zucc. Oxal.
(1) Cult. Herb reproducing with stolons.
F Lvs. light green with central silver stripe. Fls. pale yellow.
Ex Plowman det. P. Matekaitis 1983

12043. Dracontium Arac.
(1) Cult. herb. Petiole dark reddish brown
F with faint snake-like pattern, & very short spines. Infl. pest, spathe brown.
Ex Plowman et al. 8616.
Brazil:

12044. Peperomia
(1) Cult. Trailing herb with succulent leaves
F hanging from Stone wall. Infls. erect, creamy white.
Said to be from Ecuador.

12045. Begonia THELMAE L.B. SMITH & D.C. WASSHAUSEN
(1) Cult. prostrate herb on ground.
F Lvs. dark green, light green on main nerves, red beneath.
Pedicels erect. Petals white.
Said to be from Brazil, sent by Burle-Marx. DET. K. BURT-UTLEY 1988

NOV 2 8 1982

12046. Costus speciosus (Koenig) J.E. Smith Zing.
F (2) Cult herb 3 m. tall. Bracts red. Fls. white. det. P.J.M. Maas 1983.

Arac.

12047. Anthurium buenaventura
(1) Cult. herb, forming rosette
F Lvs. shiny dark green above, pale green beneath. Peduncle dark red purple. Spathe erect, pale dirty green mottled purplish.
Petiole Peduncle spreading

Ex Selby.

Palm

12048. Chamaedorea ernesti augusti
F (1) Cult. single stemmed palm 1.5 m. tall. Infl. axis bright orange. Fr. black at maturity.

12049. Anthurium watermaliense Hort. ex Bailey Arac.
(1) Cult. herb. Lvs. dark shiny green
F above, light shiny green beneath. Peduncle & spathe purple-black. Spadix light brown. Petiole
det. T. Croat 1985

12050. Pilea
F (1) Erect & creeping herb. Cult.

NOV 2 8 1982

Lvs. bullate, dark shiny green above, red purple beneath. Fls. pale green.

12051. Calathea Marant.

F (1)

Cult. herb. Lvs. light green with dark green bands along periodic major nerves, in scleriform pattern. dark red purple beneath.
Ex Plowmen 10061F.

12052. Brunfelsia mire Monachino Sol.

F (4) Cult shrub 40 cm. tall. Fls. violet with white eye at throat.
Ex Plowmen + Davis 5002?

12053. Begonia Beg.

F (1) Cult. erect herb 50 cm. tall. Fls. light red. Lvs. dark shiny green with faint whitish spots; pale green beneath.

12054. Brunfelsia mire Sol.

F (2) Cult. shrub 40 cm. tall. Fls. violet
CORD

NOV 2 8 1982

with white eye.
Ex Plowman & Davis 5172.

12055. Brunfelsia Sol.
(5)

F
NY-2 Cult. tree 6-7 m. tall, (west of back door). Fls. creamy white, turning yellowish. Very fragrant. Fks. shiny, light green. (= 10964)

12056. Abelmoschus moschatus Malv.
(2)

F
EVAL BH Erect herb 3 m. tall. Fls. pale yellow. Fks. green.

12057. Monotagma Marant.
(1)

F
A → GB Cult. herb. Lvs. grey-green. Ex Plowman et al. 9833. Pressed Sept. 1982 by A. Fernandez.

The Kampong

12058. Strelitzia nicolai Regel & Koern. Musac.
(6)

F-4 Gigant herb 6 m. tall, cultivated. Petiole 1 m. long. Lf. blade lanceovate 1.5 m. long. Fls. axillary. Branch bracts green, glaucous, lightly pruinose. Fl. bracts

NOV 2 8 1982

red-purple. Tepals cream.
Stamen blue.

12059.

Projeto Flora Amazonica:
Excursão ao Rio Japurá e Lago Tefé.
Collectors:
T. Plowman, E.W. Davis, C.A. Cid, I.L. Amaral, J. Lima and J. Guedes.

Especies registrado por Timothy Plowman
1 Dec – 14 Dec 1982.

Nos. 12060 – 12611

561 Plantas

(194) Brazil: Edo. Amazonas. Municipio de Tefé. Tefé.

DEC 1 1982

1 Dec. 1982.

12060. Talinum triangulare (Jacq.) Willd. Portul.
(9) n.v. "caruru" - leaves & stems eaten cooked like spinach. det TP.
Cultivated herb. Lvs. & stems somewhat fleshy. Petals magenta. Sold in market in Tefé.

Brazil: Estado do Amazonas. Municipio de Tefé.

DEC 2 1982 2 Dec 1982 - Tefé. Sandy shore & Banks of Lago Tefé.

12061. Commelina erecta L. Commel.
(4) Spreading herb on bank. Petals sky blue. det. R. Faden 1984.

12062. Celosia Amaranth.
(8) Escaped herb 30-100 cm. tall. Infl. bright magenta. On weedy bank.

12063. Phyllanthus Euph.
(7) Weedy erect herb on lake shore. Fls. cream.

DEC 2 1982

12064. Paspalum orbiculatum Poir. Gram.
(7) Prostrate clump-forming grass on sandy bank. det. G. Davidse 1984.

12065. PANICUM CAYENNENSE LAM. Gram.
(12) Erect grass forming rosulate clump on sandy shore. DET. G. DAVIDSE, 1988

12066. RHYNCHOSPORA PUBERA SSP. PUBERA (VAHL) BOCK. Cyperac.
(9) Sedge on moist sandy shore. Bracts green. Fls. creamy white. DET. R. GUAGLIANONE 1987

12067. Cyper.
(6) Sedge on moist sandy bank.

12068. Echinochloa colona (L.) Link Gram.
(9) Stoloniferous grass on sandy lake shore partially submerged. det. G. Davidse 1984.

12069. Stachytarpheta angustifolia f. elatior (Schrad.) López-Palacios - Verb.
(8) Erect herb to 1 m. on sandy shore. Fls. violet. det. H. N. Moldenke 1984.

12070. Sauvegesia erecta L. Ochnac.
(2) Herb on sandy bank. Fls. white. det. C. Sastre 1984.

DEC 2 1982

12071. Aciotis cf. aequatorialis Cogn. Melast.
(3) Erect herb on Sandy shore. Petals pale pink to white. Anthers magenta.
det. J. J. Wurdack 1984.

12072. Borreria latifolia (Aubl.) Schum. Rub. - Spermacoc.
(16) Erect herb on Sandy shore. Fls. white.
det. Kirkbride 1984.

12073. Diodia hyssopifolia (Willd. ex R. + S.) Cham. & Schl. Rub. - Spermacoc.
(9) Erect-Spreading herb on Sandy Shore. Corolla white. Lobes apically pale pink.
det. Kirkbride 1984.

12074. Diodia hyssopifolia (Willd. ex R. + S.) (Cham. & Schlecht. Rub. - Spermacoc.
(11) Prostrate-creeping herb on Sandy Shore. Fls. erect, white. det. Kirkbride 1984.

12075. Cucurbita moschata (Duch. ex Lam.) Duch. ex Poir. Cucurb.
(5) Sprawling herbaceous vine on weedy bank. Corolla yellow orange. Leaves green throughout, without white markings. Escape from cultivation.
n. v. "jirimum" det. C. Jeffrey 1984.

12076. Caperonia Euphorb.
(14) Erect herb on sandy shore. Stems inflated. Fls. white.

DEC 2 1982

12077. Mondevilla pavonii (A.DC.) Woodson Apoc.
(8) Vine in thicket on open bank. Stems with abundant latex. Corolla pale yellow, red at base of each lobe and within tube. Fruits dull green.
det. B. Hansen 1985.

12078. Euphorb.
(11) Leafy herb on sandy banks. Fls. cream.

12079. Citrullus ~~vulgaris L.~~ lanatus (Thunb.) Matsum. & Nakai Cucurb
(2) n.v. "melancia" Det. T. Plowman
Small vine on open sandy shore. Fls. yellow. Escape from cultivation.

12080. Clibadium surinamense L. Comp.
(10) Weak shrub 2 m. tall on open bank in thicket. Fls. white.
det. J. Pruski 1985.

12081. Hyptis recurvata Poit. Labiat.
(3) Erect herb on sandy bank. Corolla white. det. R. M. Harley 1985.

12082. ~~Hyptis~~ parkeri Benth. Lab.
(9) Prostrate sprawling vine on open sandy shore, extensive. Corolla

DEC 2 1982

white with pale violet spots on lip
det. R.M. Harley 1985

12083. Convolv.
(7) Sprawling prostrate vine on open sandy shore. Stem with milky juice. Fruits brown.

12084. Crotalaria Leg.
(1) Erect herb on sandy shore. Fls. pale yellow.

---

(165) BRAZIL: Estado Amazonas. Município Tefé. Rio Japurá, ca. 6 km. above mouth. Várzea forest on island in river. (2 Dec 1982.) Approx. 2°53'S, 64°52'W.

12085. Palicourea crocea (Sw.) R. + S. Rub.
(10) Common shrub 2-3.5 m. tall in understory. Peduncle and pedicels orange-red. Corolla waxy, yellow.
det. Kirkbride 1984

12086. Theobroma cacao L. Sterc.
(18) Cultivated tree 6 m. tall in secondary growth at abandoned house site. Fls. cauliflorous and ramiflorous. Petals reflexed, cream. Staminal ring

DEC 2 1982

red. Staminodes purple-black. Fruits immature, pale green

12087. Rheedia Guttif.
(12) Tree 15 m. x 30 cm. Orange latex in stem. Fls. cream. N.v. "bacuri"

12088. Hyptis brevipes Poit. Labiat.
(12) Herb 1-1.5 m. tall in low, wet open clearing. Infl. pale green. Fls. white. Locally abundant.
det. R. M. Harley 1985

12089. Cissampelos laxiflora Moldenke Menisp.
(12) Twining herbaceous vine in low, wet open clearing. Fls. yellow. FRs. red at maturity.
det. R. Barneby 1984.

12090. Psychotria Rubiac.
(11) Shrub 3 m. tall in understory, frequent. Infl. axis pale green. Immature fruits shiny, dark green.

DEC 2 1982

12091. Philodendron Aracc.
(7) Climbing vine on tree trunk.
Spathe green.

12092. Phyla betulaefolia (HBK.) Greene Verbenac.
(11) Erect herb in low, wet open clearing.
Fls. white. det. H. N. Moldenke 1984.

12093. Neea Nyctagin.
(4) Treelet 6 m. tall with dense, spreading crown. Peduncle red. Immature fruits green. n.v. "João Molho"

12094. NECTANDRA AMAZONUM NEES Lauracc.
(11) Tree 8 m. x 20 cm. Buds tawny. Flowers creamy white. At edge of clearing. DET. J. G. ROHWER (HBG) 1989

12095. Psidium acutangulum DC. Myrtac.
(12) n.v. "goieba araçá" "araçá brava"
Tree 8 m. x 15 cm. Immature fruits green. At edge of clearing.
det. L. Landrum 1984.

12096. Aegiphila filipes Mart. & Schau. Verbenac.
(11) Dwarf treelet to 1 m. tall. Infl. spreading or semi-pendulous. Calyx pale green. Immature fruit yellow.
det. H. N. Moldenke 1984

DEC 2 1982

12097. Psychotria Rub.
(10) Shrub 2-3 m. tall, frequent. Infl. axis green. Immature fruit green.

12098. Sphenoclea zeylanica Gaertn. Campan.
(6) Erect herb with fleshy stem in low, open wet clearing. Fls. white.
Det. J. Plowman

12099. Sommera sabiceoides Schum. Rubiac.
(9) Shrub 3 m. tall. Calyx pale green. Corolla creamy white.
det. J. Kirkbride/1984.

12100. Fungi Polyporac.
(3) Bracket fungus on fallen log. Dark brown above, deep orange below.

12101. Fungi Polypor.
(3) growing on dead standing tree. Deep red-orange.
n.v. uru pe

12102. Arcyria denudata (L.) Wettst. Fungi-Myxomyc.
(3) Growing on standing dead tree. Stipe grey. Sporophore burnt orange. det. M.L. Farr '88

DEC 3 1982

(451) Brazil: Estado Amazonas. Municipio Maraã. Sitio Cuiú-cuiú, left bank of Rio Japurá. Igapó + Terra firme north of small V-shaped lake. Approx. 2°28'S, 65°03'W. 3 Dec 1982.

12103. (12) Psidium ~~acutangulum~~ DC. Myrt.
n.v. "araça-pea"
Cult. tree 7 m. x 10 cm. Petals white Fruit spherical still green. to 5 cm-diam. In houseyard. det: L. Landrum 1984.

12104. (15) Piper aleyreanum C-DC. Piperac.
Shrub 3 m. tall in margin of forest on terra firme. Lvs. dark shiny green above, pale dull green beneath. Spikes erect, pale green.
n.v. "pimenta longa" det. R. Callejas 1984.

12105. (744) DUGUETIA CAULIFLORA R.E.FR. Annon.
n.v. "envira" DET. P.J.M. MAAS, 1990
sep. fruit Tree 15 m. x 15 cm. diam. in primary forest on terra firme. Lvs. dark shiny green above, slightly lighter beneath shiny. Fruits cauliflorous and on major branches, yellow-ochre, very hard.

DEC 3 1982 Nautilocalyx ochroleucus (Poepp.) Skog comb. nov. det. Skog 1985.
Episcia ochroleuca (Poepp.) Hanst.

12106. ~~Drymonia~~ det. L. Skog 1985 Gesner.
(2) Terrestrial creeping herb in clearing, Calyx light green. on terra firme.

12107. Solanum subinerme Jacq. Solan.
(9) n.v. "juribeba" det. M. Nee 1985.
Spindly treelet 4 m. tall in secondary growth on terra firme. Corolla violet. Immature fruits dark green.

12108. Ocotea floribunda (Sw.) Mez Lauac.
(12) Tree 20 m. tall x 35 cm. diam. in igapó forest next to lake. Fruits immature, shiny, yellow-green. det. H. v. d. Werff 1984.

12109. Odontadenia cf. lauretiana Woodson + Steyerm. Apoc.
(4) Small liana in forest on terra firme. Flowers yellow. det. B. Hansen 1985.

12110. Annon.
(8) Tree 8 m. tall x 15 cm. diam. in forest on terra firme. Immature fruits dark greenish brown.

12111. Aparisthmium ... Euphorb.
(11) Weak tree 6 m. tall at edge of culti-

voted clearing. Inflorescence and immature fruits yellow-green. On terra firme.

12/12. Siparuna — Monim.
(12) Tree 8 m. tall x 10 cm diam. in secondary growth. Inflorescence yellow-green. Foliage aromatic. (on terra firme)
N.V. "capitiu"

12/13. Buchenavia macrophylla Eichl. — Combret.
(15) Tree 15 m. tall x 20 cm. diam. near lake shore in igapó forest. Fruits pendulous, brown. Lvs. shiny dark green above, dull, paler, yellowish green beneath.
WOOD VOUCHER
det. C. Stace 1985.

12/14. HYPOLYTRUM LAXUM C.B. CLARK — Cyperac.
(11) Cespitose sedge in margin of terra firme in igapó forest. Inflorescence green. DET. T. KOYAMA 1987

12/15. — Guttif.
(12) Tree 15 m. tall x 20 cm. diam. in igapó forest. Latex bright yellow. Immature fruits light green, 8 cm. x 3.5 cm.

DEC 3 1982

12116. Heliconia velutina L. Anderss. Musac.
(6) Herb 1.5 m. tall in forest on terra firme. Peduncle and infl. axis green. Bracts yellow at very base, dull red above. Flowers dull yellow-green. det. L. Andersson 1984.

12117. Erythroxylum coca Lam. var. Erythrox.
(7) ipadu Plowman Det. T. Plowman
Cult. spindly shrub in cultivated clearing (roça). Buds pale green.
N.V. "ipadú" = leaves roasted to dryness and pulverized. Used by local caboclos for subsistence on hunting and fishing trips.

12118. Philodendron Arac.
(5) Climbing epiphyte on large tree in igapó forest. Lvs. dark shiny green above, medium dull green beneath. Peduncle and spathe dull yellow green. Spadix cream. N.V. "ambê"

12119. Marac ~~Flacourt.~~
(4) Weak treelet 5 m. tall in forest on terra firme. Fruits brown.

DEC 3 1982

12120. Icacin.

(4) High climbing liana in forest on Terra firme. Inflorescence 10 m. above ground. Fruits immature, light green.

12121. Virola theiodora (Benth.) Warb. det. W. Rodrigues 1985 Myrist.

(13) Tree 15 m. x 35 cm. diam. in forest on terra firme. Lvs. shiny dark green above, whitish dull green beneath. Inflorescence axis and immature fruits burnt orange.

ssp. krukovii Moas det. Berg 1984.

12122. Costus amazonicus (Loes.) Maas. Zingib.

(2) Herb 2 m. tall in young secondary forest. Inflorescence terminal and basal. Bracts green. Calyx red. Corolla white. Staminode deep rose-pink. On terra firme.

12123. Polypodium megalophyllum Desv. Fern

(6) Climbing epiphytic vine on tree trunk in igapó forest. det. J. Mickel 1984.

12124. Codonanthe cf. crassifolia (Focke) Morton det. L. Skog 1985. Gesner.

(3) Epiphyte forming extensive mats with Codonanthe #12125, but much less frequent. Leaves fleshy. Fruits green. Grow-

DEC 3 1982

ing in igapó forest.

12125. Codonanthe Gesner.
(9) Frequent Epiphyte forming cut gardens
with Codonanthe #12124. Growing in igapó forest. Leaves fleshy, brittle. Pedicel pale green. Calyx white, turning red in fruit. Corolla tube white, dark red-purple in throat, lobes tipped white.

12126. Pariana Gram.
(2) Clumped grass in forest in terra firme. Spikes yellow.

12127. Heliconia psittacorum L.f. Musoc.
(11) Rhizomatous herb in open cleared field. Leaves somewhat shiny on upper surface, very shiny on lower surface. Peduncle green. Branch bracts and axis red-orange. Pedicel and ovary orange. Perianth pale orange with dark green tip.
fotos
det. L. Andersson 1984.

DEC 3 1982

det. S. Mori 1984.

12128. Gustavia hexapetala (Aubl.) Smith Lecyth.
(12) Tree 8 m. tall x 15 cm. diameter in forest margin on Terra firme. Fruits shiny, dark green when immature; turning bright yellow when ripe.

12129. Theobroma Stercul.
(11+4) Tree 20 m. tall x 25 cm. diam. in forest on terra firme. Lvs. shiny dark green above, pale dull glaucous green beneath. FRS. cauliflorous, about 12 m. above ground; 17 cm. x 7 cm. n.v. "cacau bravo"
WOOD

12130. HYPOLYTRUM SCHRADERIANUM NEES Cyperac.
(17) Huge clumped sedge to 2 m. tall in forest on terra firme. Spikes light brown. DET. T. KOYAMA 1987

Musac.

12131. Heliconia chartacea Lane ex Barreiros
(7) n.v. "bico de tucano" Det. J. Plowman
Herb 3 m. tall in young secondary growth. Infl. pendulous. Peduncle and axis dark red. Bracts bracts dorsally red, pale yellow green at margin. Perianth dirty yellow. In fruit pedicel and ovary white. Inflorescence covered with white wax

DEC 3 1982

12132. Philodendron Arac.
(1) Climbing epiphyte in forest on terra firme. Leaves shiny on both surfaces. Peduncle and Spathe green.

12133. Eugenia Myrtac
(13) Treelet 8 m. tall in forest on terra firme. Fruits immature, pale yellow green. det. L. Landrum 1984.

12134. Anthurium scandens Arac.
(1) Epiphyte in forest. igapó.
Spathe pale green. Spadix white.

12135. Philodendron crassifolium (DC) Eichl. Loranth.
(4) hemiPeresite in tree in igapó forest.
Inflorescence yellow-brown.
det. F. Kuijt 1984.

12136. Inga cf. laterifloria Mig. Leg.-Mimos.
(8) Treelet 6 m. tall x 8 cm. diam. in open igapó forest. Calyx light yellow-green. Filaments white.
det. J. Grimes 1984.

12137. Anthurium Arac.
(4) Climbing epiphyte in igapó forest. Spathe dark purple. Spadix dark green.

DEC 3 1982

12140. Ludovia Cyclanth.
(2) Epiphyte in large tree in igapó forest. Peduncle creamy white. Flowers light brown.

12138. Faramea sessilifolia (HBK.) DC. Rubiac.
(11) Treelet 6-8 m. tall in igapó forest. Leaves shiny on upper surface, dull on lower surface. Peduncle pale green. Infl. axis bluish white. Calyx blue. Corolla tube white, lobes blue. Very fragrant.
det. Kirkbride 1984.

12139. Psychotria bahiensis DC. Rubiac.
(14) Shrub 2 m. tall in forest margin in terra firme. Infl. axis pale green. Flowers white. Fruit sky blue, infructescence axis turning dark red-purple. det. Kirkbride 1984

12140. Ludovia

12141. Bactris Palmae
(1) n. v. "marajá"
Understory palm 2.5 m. tall. Spathe dark yellow-brown. Forest on terra firme.

12142. Miconia nervosa (Smith) Triana Melast.
(13) Shrub 3-4 m. tall in forest on

DEC 3 1982

terra firme. Infructescence axis red-purple. Immature fruit pale red.
det. J.J. Wurdack 1984

12143. Monotagma Marant.
(2) nv. "cantá"
Herb forming small clumps in forest on terra firme. Bracts yellow-green. Flowers white with pink staminode.

12144. Styrax Styracac.
(14) Tree 15 m. tall x 15 cm. diam.
WOOD in igapó forest. Lvs. shiny green above, dull whitish beneath.
Fls. white.

12145. Campsiandra angustifolia Spr. ex Benth. Leg: Caesalp
(10) Tree 8 m. tall x 15 cm. diam
in edge of cultivated clearing in
WOOD terra firme. Fruits yellow-green, shiny.
nv. "acapurana" det. R. Cowan 1984

12146. Voyria Gentianac.
(1) Saprophyte in igapó forest.
Whole plant deep yellow.

DEC 3 1982

12147. Solanum jamaicense Mill. Solanac.
(13) N.V. "jurabeba" det. M. Nee 1985.
Weedy armed shrub to 1.5 m. in open cultivated field. Flowers white. Immature fruits yellow green.

12148. Solanum sessiliflorum Dunal var. sessiliflorum Solan.
N.V. "cubiu" Det. J. Plowman
(11) Armed shrub to 1 m. tall in open cultivated field on terra firme. Corolla dull green.

12149. Tococa sp. Melast.
(6) Slender treelet 7 m. tall x 10 cm. diam. in igapó forest. Leaves shiny on both surfaces. Ant domatia dark purple. Fruits shiny green immature.
det. J. J. Wurdack 1984.

12150. Musci.
(5) Moss on fallen log in igapó forest.

12151. Trichomanes hostmannianum (Kl.) Kunze Hymenophl.
(3) Terrestrial fern in igapó forest. det. Michel 1984

12152. Psychotria (Cephaelis) poeppigiana M. Arg. Rub.
(9) ssp. barcellana (M. Arg.) Steyerm.
Shrub 1-2 m. tall in forest on terra firme.
det. Kirkbride 1984.

DEC 3 1982

Bracts red. Fls. yellow. Fruits blue.

12153. Psychotria lupulina Benth. Rub.
(13) Treelet 4-5 m. tall in igapó forest. Bracts yellow-green turning purplish. Immature fruits green. det. Kirkbride/1984.

12154. DUGUETIA QUITARENSIS BENTH. Annon.
(16) Tree 15 m. tall x 20 cm. diam. in igapó forest. Fls. light yellow. Immature fruits green. DET. P.J.H. MAAS 1990

12155. ~~Faramea~~ Psychotria racemosa (Aubl.) Rausch. Rub.
(3) Shrub 3 m. tall in igapó forest. Fruits shiny black. det. Kirkbride 1984.

12156. Fungi
(5) White fungus on fallen rotten log in tierra firme forest.

12157. Fungi
(3) Solitary fungus on fallen rotten log in igapó forest. Pileus and gills yellow-ochre. Stipe yellow brown. Annulus cream.

DEC 3 1982

(31) Brazil: Estado de Amazonas. Municipio Maraã. Rio Japurá near Ilha Nova. Approx. 2°54'S, 64°52'W. 3 Dec 1982. ~~Várzea~~.

12158. [Nidulariales] Nidulariales Fungi
(5) Fungus growing on open vertical clay bank along Rio Japurá.

12159. Calathea UNDULATA LINDEN & ANDRE Marant.
(13) Herb forming dense clump on open river bank along Rio Japurá. Bracts light green. Flowers white. DET. H. KENNEDY 1992

12160. Cecropia Morac.
(13) N.v. "imbauba branca"
Tree 18 m. tall x 30 cm. diam. on flooded river bank. Stipule dark red. Leaves dull dark green above, whitish dull beneath. Peduncle yellow green. Spathe dull dark red. Male and female spikes creamy white.

[araça goiaba - fruit photographed at Maraã.]

DEC 4 1982

(721) Brazil: Estado do Amazonas. Município de Maraã. Maraã environs. Lago de Maraã. Terra firme. Approx. 1°51'S, 65°36'W.
4 Dec 1982 – 5 Dec.

12161. Coutoubea ramosa Aubl. Gentian.
(9) Erect herb in open cultivated ground. Corolla white. det. Mezs 1984.

12162. Siparuna Monim.
(14) Tree 10 m. tall x 10 cm. diam. Immature fruits light green. Forest on terra firme.

12163. Quararibea muricata Cuatr. Bombac.
(5) Tree 7 m. tall. Fruits immature, dull green. Forest on terra firme.
det. B. Alverson 1984.

12164. Rinorea Violac.
(9) Slender treelet 4 m. tall in forest. Flowers yellow.

12165. Dicranoglossum furcatum (L.) J. Smith Fern
(2) Epiphyte on treetrunk in forest. on terra firme. det. Mickel 1984.

12166 ~~Adiantum~~ Lindsaea lancea (L.) Bedd. Fern
(2) terrestrial fern in primary forest. on terra firme. det. Mickel 1984.

DEC 4 1982

12167. Saccoloma inaequale (Kunze) Mett. Fern
(5) Terrestrial fern in primary forest on terra firme. det. Michel 1984.

12168. Trichomanes elegans Rich. Fern
(11) Terrestrial fern in primary forest on terra firme. det. Michel 1984
= Trichomanes tenarcum Hook.

12169. Trichomanes pinnatum Hedw. Fern
(3) Terrestrial fern in primary forest on terra firme. det. J. Michel 1984.

12170. Ichnanthus panicoides Beauv. Gram.
(12) Terrestrial herb in primary forest on terra firme. det. G. Davidse 1984

12171. Asplenium angustum Sw. Fern
(4) Rosulate. Fern on living tree trunk in primary forest. det. J. Michel 1984.

12172. Calyptrocarya Cyper.
(2) Herb in primary forest.

12173. Calyptrocarya Cyper.
(2) Herb in primary forest.

DEC 4 1982

12174. Lomariopsis japurensis (Mart.) Tryon Fern
(6) Climbing epiphytic vine on living tree trunk. Leaves dimorphic In primary forest on terra firme. det. J. Mickel 1984

12175. Saccoloma inaequale (Kunze) Mett. Fern
(7) Terrestrial fern in primary forest on terra firme. det. J. Mickel 1984.

12176. Philodendron Arac.
(2) Climbing epiphyte on tree trunk. Spathe greenish cream. Flowers solitary - In primary forest.

12177. Erythroxylum coca Lam. var. Erythrox.
(7) ipadu Plowman Det. T. Plowman
Cultivated shrub to 1.5 m. tall. Flowers creamy white. fotos
n.v. "ipadú" = leaves toasted and pulverized, mixed with Cecropia ashes. Used as sustenance by Canamari Indians during hunting and fishing trips.

12178. Solanum stramoniifolium Jacq. Solan.
(8) Det. T. Plowman
Cultivated armed shrub 1 m. tall. New leaves reddish purple. fotos
Fruits bright red at maturity, globose, used to make juices.
n.v. "cubiu de fruto pequeno"

DEC 4 1982

12179. Pouteria caimito (R. & P.) Radlk. Sapot.
(11) n. v. "abiu" Det. J. Plowman
Cultivated tree 8 m. tall. Immature fruit shiny light green. Fruit sweet, edible.

12180. ~~Asplenium~~ ceanum Hieron. Fern
(10) Rosulate epiphyte on tree trunk in primary forest on terra firme.
det. J. Mickel 1984

12181. ~~Bactris~~ Astrocaryum Palmae
(5+6) n. v. "marajá", det. A. Henderson 1984.
Single trunked palm 3 m. tall in primary forest. Leaves shiny dark green above, white, dull beneath. Trunk and leaves with black spines.

12182. Philodendron Arac.
(4) Climbing epiphyte on tree trunk in forest.

12183. Psychotria Rub.
Shrub 1.5 m. tall in primary forest.
(1) Immature fruits green.

12184. Diospyros Ebenac.
Ryania MICRANTHA SANDW. ~~Flacourt~~
DET. B. WALLNOFER 1998
(8) Treelet in primary forest on terra

DEC 4 1982

firme. Petals creamy white turning dark red with age.

12185. Piper stellipilum (Miq.) C. DC. Piperac.
(2) Shrub 1 m. tall in primary forest. Spikes pale green. det. R. Callejas 1984

12186. Cyclant
(4) Climbing epiphyte on tree trunk. Immature fruit green.

12187. Piper brasiliense C. DC. Piperac
(6) Low sub-shrub along trail in primary forest. Leaves variegated on young plants. Spikes yellow-green. det. R. Callejas 1984

12188. Clusia Guttif
(7) Epiphytic shrub 2 m. high x 1 m. across on small tree in primary forest. Sterile.
det. Croat 1984

12189. Heteropsis oblongifolia Kth. Ara
(9) Climbing epiphytic vine on live tree trunks. Stems and appressed aerial roots very tough, used for construction. Young spadix dark green. Mature spadix and seeds

[HLA 83.020 S]

DEC 4 1982

bright orange - Primary forest on terra firme.

12190. OXANDRA EUNEURA DIELS DET. P.J.M. MAAS 1988 Annon.
(17) Small tree 6 m. tall with Storied branches. Fruits light green, immature.

12191. Calathea Marant.
(4) Herb in primary forest. Peduncle and bracts yellow green. Flowers white. Leaves dark shiny green above with undulate margins.

12192. Calathea WILLIAMSII MACBR. Marant.
(17) Low herb in primary forest. Leaves dark green above with distinct sheen and lighter green to whitish central stripe; lvs. pale whitish green beneath. Pulvinus olive green. Prophylls dark red-brown. Peduncle and bracts yellowish green. Calyx and Corolla white. Staminode purple. DET. H. KENNEDY, 1985
foto

12193. Hawksiophyton utei (Domm.) A.T. Hunz. Solan.
(2) Epiphytic shrub on small tree in primary forest, infested with ants at base. Corolla pale yellow.
Det. T. Plowman

DEC 4 1982

12194. Annon.
(6) Small tree 8 m. tall x 12 cm. diam. Sepals brown. Petals dirty creamy yellow, tan at base. Fruit subglobose, 5.5 cm long, 6.5 cm diameter, nearly ripe.

12195. Ischnosiphon HIRSUTUS O.G. PETERSEN Marant.
DET. L. ANDERSSON, 1988
(11) Clumped herb in primary forest. Leaf bases brown. Petiole green. Leaves shiny green above; dull pale glaucous green beneath. Bracts yellow green, pruinose. Calyx and corolla white. Staminode yellow.

12196. Tococa ulei Pilger Melast.
(11) Shrub 2 m. tall in primary forest, inhabited by biting ants. Ovary shiny green. Corolla rose in bud. ~~Stamens~~ petals and anthers pale pink.
det. J.J. Wurdock 1984.

12197 Geonoma pycnostachys Mart. Palmae
(20) Small palm 1 m. tall in primary forest. Inflorescences axillary, 2-3. Fls. pale violet. Immature fruits Green.
det. A. Henderson 1984.

12198. Ludovia Cyclanth.
(1) Epiphyte on fallen log in primary

forest. Young fruits green.

12199. Marcgrav.
(2) Climbing liana on small tree. Infl. pendulous, green.

12200. Melast.
(1) Herb growing on rotten fallen log in primary forest. Flowers White.

12201. Mycena sp. Fungi.
(2) Delicate white mushroom on rotten log in forest. det. R. Halling 1984.

12202. Trichopteris nigra (Mart.) Tryon Fern.
11+4 Tree fern 4 m. tall x 3.5 cm. diam
TRUNK SEPARATE (15) growing in primary forest on terra firme.
det. J. T. Mickel 1984.

12203. Piper obliquum R. + P. Piperac.
(15) Shrub 3.5 m. tall in primary forest. Spikes cream, pendulous. Leaves shiny green above, somewhat shiny, ~~light~~ green beneath.
det. R. Callejas 1984.

12204. Philodendron Arac.
(2) Climbing epiphytic vine. Leaves shiny, coriaceous, dark green above, yellow

DEC 4 1982

green beneath. Spathe creamy yellow.

12205. Philodendron Aroc.
(3) Epiphyte on tree trunk. Spathe green.

12206. Maieta guianensis Aubl. Melast.
(7) Subshrub to 1 m. tall in primary forest. Immature fruits light red.
det. J. J. Wurdack 1984.

12207. Alloschemone occidentalis (Poepp.) Engl. & Krause Aroc.
(10) Huge Climbing epiphyte on tree trunk. Leaves somewhat shiny, medium green above, lighter green beneath. Spathe coriaceous, deciduous, cream with rosy blush, Spadix pale yellow, very fragrant.
det. T. Croat 1984.

12208. Pourouma cecropiifolia Mart. Moroc.
(11) Cultivated tree 8 m. tall x 25 cm Diam. in cultivated field. Leaves dark green above, somewhat shiny, dull whitish beneath. Immature fruits ovoid, light green.
fotos
Det. L. Plowman

DEC 4 1982

12209. Danaea sp. fern
(9) Terrestrial fern in primary forest on terra firme. det. J. Mickel 1984.

12210. Eschweilera coriacea Martius ex Berg Lecyth.
(13) Tree 25 m. x 40 cm. diam in primary forest on terra firme. Flowers cream. det. S. Mori 1984.

12211. Anthurium KRUKOVII CROAT Arac.
(6) Terrestrial rosulate herb in primary forest on terra firme. Leaves medium green, somewhat shiny above, pale green beneath with pale yellow nerve. Petiole in cross-section. Peduncle terete, light green. Spathe membranous, pale reddish green, spiraled; spadix dark red.

12212. Philodendron Arac.
(1) Climbing epiphyte on tree trunk in primary forest on terra firme. Leaves dark green above, light green beneath, somewhat shiny on both surfaces. Spathe cream apically, pale green basally. Aerial roots long, black.

DEC 5 1982

same locality. 5 Dec 1982. Primary forest on terra firme.

12213. Caryocar globrum (Aubl.) Pers. Caryocar.
(19) Large tree 30 m. tall × 80 cm. diameter. Bark reddish brown. Buds yellow green. Filaments deep carmine red. n.v. "piquia-rana" det. G. T. Prance 1984.

WOOD

fotos ~~felling~~ of trunk

12214. Besleria Gesner.
(7) Erect herb to 70 cm. tall. Calyx pale orange. Corolla bright red-orange.

12215. Oleac.? Convolv.
(12) High climbing liana flowering in crown of Caryocar (#12213). Immature fruits light green.

12216. Myrcia Myrtac.
(6) Treelet. Flower buds cream. det. L. Landrum 1984.

12217. Cyclanthus bipartitus Poit. Cyclanth.
(7) Herb in forest understory. Uncommon. Spathe ~~[illegible]~~ green, salmon pink within.
Det. T. Plowman

12218. Virola calophylla Warb. Myrist.
(12) n.v. "pau do paje" det. W. Rodrigues 1985. Treelet 8 m. tall. Leaves shiny green above, white beneath. Sterile. Inner bark scraped and burned.

WOOD bark-chem.

DEC 5 1982

to add to tobacco snuff to make it more aromatic.

12219. Clusia FLAVIDA (BENTH.) PIPOLY Gutt.f.
(9) Large epiphytic shrub to 3 m. across in crown of Caryocar (#12213). Flower buds cream.
DET. J. PIPOLY 1997

12220. Annon.
(4) Tree 7 m. tall. Fruits pale green.

12221. Neoptychocarpus apodanthus (Kuhlm.) Buchh. Flacourt.
(20) 6 m. tall
Common understory treelet, with storied branches. Corolla cream, turning red-brown. Immature fruits pale blue-green. det. H. Sleumer 1984.

12222. Euph.
(3) Tree 7 m. tall in forest understory. Lvs. dark shiny green above; pale dull whitish green beneath. Fruits immature, mustard-yellow to brownish.
det. Maas 1984.

12223. Renealmia monosperma Mig. Zingib.
(A) (15) Herb with 2-5 stems. Inflorescences prostrate on ground, axis itself sometimes erect. Peduncle, axis, pedicels & calyx

DEC 5 1982

deep red. staminode white.
[HLA 83.022]

12224. Hirtella guainiae Spruce ex Hook. f. Chrysobal.
(8) Treelet 6 m. tall with storied branches. Leaves with bases modified as ant domatia. Old infls. brown.
det. G. T. Prance 1984.

12225. Clidemia epiphytica (Triana) Cogn. var. trichocalyx (Blake) Wurdack Melast.
(7) Climbing vine on tree trunk. Ovary dull yellow-green. det. Wurdack 1984.

12226. Drymonia Gesner.
(9) Herbaceous vine 8 m. tall in small tree. Bracts light red. Calyx pale yellow, lobes with dark red margins. Corolla tube yellow, lobes yellow with dark red spots. Leaves dark shiny green, light green beneath with dark red spots.

12227. Norantea guianensis Aubl. Marcgrav.
(11) ssp. JAPURENSIS. ~~Det. J. Plowman~~ (MART.) BEDELL
High climbing liana in Cerqueira (no. 12213). Nectaries bright red. Flower buds dull yellow
DET. H.G. BEDELL 1986

12228. Psychotria deflexa DC. Rub.
(5) Subshrub 1 m. tall. Infl. axis dark green. Corolla white. det. Kirkbride 1984.

DEC 5 1982

12229. Faramea aff. capillipes M. Arg. Rub.
(2) Low shrub. Fruits green. det. Kirkbride 1984.

12230. Psychotria racemosa (Aubl.) Raeusch. Rub.
(2) Subshrub 1 m. tall. Fruits orange.
det. Kirkbride 1984.

12231. Passiflora involucrata (Mast.) A. Gentry Passifl.
(7) Liana 15 m. high. Flowers 2-3 m. above ground on trunk. Bracts dull red with creamy white glands. Flowers bright red throughout.
fotos
det. T. Plowman 1985.

12232. Peperomia elongata HBK. Piperac.
(6) Herb on fallen tree trunk. Spikes cream. det. R. Callejas 1984.

12233. Annon.
(5) Tree 10 m. tall x 5 cm. diam. Fruits light green, on older branches.

12234. Ischnosiphon martianus Eichl. ex Peters. Marant.
(7) Herb forming clump of up to five stems. Stems unbranched for 1.5-2 m. crowned with rosette of leaves. Leaves shiny dark green above; dull yellow green beneath. Spikes dull green. Flowers dirty yellow. det. L. Andersson 1984

DEC 5 1982

12235. Geonoma baculifera (Poiteau) Kunth. Palmae
(4) Palm 2 m. tall with short trunk. growing in low, wet area. In fl. dull dark green throughout. det. A. Henderson 1984.

12236. Geonoma leptospadix Trail Palmae
(2) Small palm 1.2 m. tall. In fl. axis red. Fruit black. det. A. Henderson 1984.

12237. Anthurium scandens Arac.
(1) Epiphyte on tree limb. Fruits white.

12238. Philodendron Arac.
(1) Climbing epiphytic vine. Spathe greenish white. Immature fruits pale yellow. [also collected Dec. 4]

12239. Philodendron insigne Schott Arac.
(3) Rosulate epiphyte on tree trunk. Peduncle pale green. Spathe white with pink blush, dark red within. Spadix deep yellow. det T. Croat 1986

12240. Hyospathe elegans Mart. Palmae
(11) Small palm 1.5 m. tall. In fl. axis green. Immature fruits green. det. A. Henderson 1984.

DEC 5 1982

12241. Fungus
(3) Growing on dead branches on forest floor. Stipe dark brown. Cap yellowish brown.

12242 Clavaria Fungi
(3) Growing on dead fallen log. Creamy colored throughout.

12243. Musci
(3) Growing on dead fallen log on forest floor.

12244. Calathea Marant.
(6) Herb. Bracts dark green. Flowers light yellow. Leaves somewhat shiny dark green above, pale glaucous, dull green beneath.

12245. Fungi.
(5) Growing on fallen log in forest. Black throughout.

12246. Miconia prasina (Sw.) DC. Melast.
(12) Tree 8 m. tall x 8 cm. diam. Inflorescence axis ten. Flower buds white. det. J. J. Wurdack 1984.

DEC 5 1982

12247. Geonoma acaulis Mart. Palmae
(9) Small palm 1.5 m. tall in low wet area in forest. Infl. axis orange. Immature fruits olive green.
det. A. Henderson 1984

12248. Philodendron solimoesense A. C. Smith Arac.
(21) Enormous climbing epiphytic high in crown of Cevgocar (#12213)
fotos Leaf hastate. Spathe shiny light
(A) green. Spadix creamy white throughout.
Leaves shiny medium green above, dull yellow green beneath.
Stems with milky latex.
det. S. Mayo 1986.

12249. Monotagma Marant.
(2) Slender herb. Infl. axis and bracts yellowish ~~green~~ brown.
Flowers pure white throughout.

12250. Monotagma Marant.
(3) Large herb 2.5 m. tall x 2 m. diam. in low wet area in forest.
Bracts dark yellow green. Corolla translucent pale green. Staminode pink-orange.

DEC 5 1982

12251. Voyria flavescens Griseb. Gentianae.
(3) Saprophyte on forest floor. Whole plant bright yellow. det. P.J.M. Maas 1984.

12252. Clusiella axillaris (Engl.) Cuatr. Guttif.
(10) Epiphytic shrub (?) in crown of large tree (Caryocar # 12213). Flower buds white. det. R. Foster 1986.
F P. PLATYPODUM GLEASON det. T. Croat 1986

12253. Philodendron krauseanum Steyerm. Arac.
(13) Climbing vine 10 m. high on tree trunk. Pendulous branches bearing inflorescences. Spathe shiny yellow green. Immature fruits light green. Petioles winged, yellow green, leaves medium green above, yellowish green beneath. — New to Brazil!

12254. Trichomanes tuerckheimii Christ Hymenophyll.
(6) Fern (climbing) leaves appressed to tree trunk. det. J.T. Mickel 1984.

12255. Trichomanes ankersii Hook. + Grev. Hymenophyll.
(4) Climbing fern on tree trunk det. J.T. Mickel 1984.

12256. Piresia sympodica (Doell) Swallen Graminese
(14) Grass forming small clumps in forest. det. G. Davidse 1984.

69

DEC 5 1982

Inflorescences horizontal, at ground level or in leaf humus. Axis and spikelets dark purple-brown.

12257. Inga of. fagifolia Willd. Leg.-Mimos.
(11) Treelet 6 m. tall. Flower buds dull yellow. det. J. Grimes 1984.

12258. Polypodium acuminatum (Fee) Michel + de la Sota Fern.
(2) Climbing fern on tree trunk.

12259. Hymenophyll.
(3) Climbing fern on tree trunk.

12260. Inga sect. Pseudinga ser. Calocephalae Leg.-Mimos.
(9) Treelet 5 m. tall. Bracts light green. Calyx light green. Corolla very pale, greenish white, turning orange. det. J. Grimes 1985.

12261. Philodendron Arac.
(2) Epiphytic rosulate herb on tree trunks 1-2 m. above ground. Leaves shiny dark green above, shiny light yellow green beneath. Young inflorescences light green.

12262. Gentianac.
(1) Saprophyte on forest floor. Whole plant pure white.

Brazil: Estado do Amazonas: Município de Maraã. Rio Atí Paraná (southern tributary of Rio Japurá), ca. 15 km. west of Maraã. Approx. 1°52'S., 65°44' W. 6 Dec 1982

(43)

12263. Clavija UMBROSA (LINDEN) REGEL Theophrast.
(10) Erect unbranched "rosette" treelet 3 m. tall in várzea forest. Flowers red-orange. DET. B. STAHL 1998

loretense Plowman

12264. Erythroxylum ~~kapplerianum Peyr.~~ Erythrox.
(30) Treelet 3 m. tall x 5 cm. diam. at edge of steep bank in várzea forest.
WOOD CHEM. Outer Bark light brown, much fissured, corky. Inner bark reddish. Branches sinuous. Leaves medium green, shiny above; light yellow green beneath, scarcely shiny. Stipules black. Sterile.
folds F-2
NY
MO
US
K
G
COL
HUT
[Voucher for wood specimen.]

DEC 6 1982

(296)

Brazil: Estado do Amazonas. Municipio do Maraã. Rio Japurá. Fortaleza, ca. 7 km. northwest of Maraã. Approx. 1°50'S., 65°38'W. 6 Dec 1982. Forest on terra firme.

12265. Philodendron Arac.
(3) Epiphyte on tree trunk. Leaves medium green, slightly shiny above, dull light yellow-green beneath. Peduncle & spathe light greenish yellow. Spadix cream.

12266. Annon.
(15) Tree 10 m. tall x 10 cm. diam. Fruits in main branches, dark brown, white within, 8 cm long x 6 cm. diam.
separate fruit

12267. Anthurium gracile (Rudge) Lindl. Arac.
(5) Epiphyte on tree trunk. Spathe yellow green. Spadix green. Roots white.

12268 Guttif.
(4) Treelet 8 m. tall. Fruits pendulous, red, 12 mm long x 16 mm. diameter.

DEC 6 1982

Erythrox.

12269. Erythroxylum macrophyllum Cav. Det. J. Plowman
(11) Spling Treelet 3 m. tall. Leaves shiny dark green above, pale dull glaucous green beneath. Stipules red-brown. Sterile.

12270. Herrania Sterc.
(2) n.v. "cacau jacaré"
Treelet 3.5 m. tall. Fruit cauliflorous, green, shiny.

12271. Smilax longifolia Rich. Lilia.
(22) High climbing liane, 15 m. or more high. Stem dark green with recurved spines for 8 m. Flowers past.
det. R. Andreata 1985.

12272. Asplenium juglandifolium Lam. Fern
(2) Epiphyte on tree trunk.
det. J.T. Mickel 1984.

12273. PAPPAYROLA GRANDIFLORA TUL. Viol.
(16) Treelet 4 m. tall. Flowers bright yellow. Fruits yellow-green, ellipsoid 3.5 cm. long x 2.2 cm. diam.
WOOD
DET. L. COELHO, 1987

12274. Psychotria racemosa (Aubl.) Raeusch. Rubia.
(5) Shrub 1 m. tall. Fruits orange.
det. Kirkbride 1984

DEC 6 1982

12275. Bactris simplicifrons Mart. Palmae
(2) Palm 1 m. tall in forest. Immature fruits greenish white.
det. A. Henderson 1984.

12276. Calathea Marant.
(1) Herb 1 m. tall. Bracts brownish. Flower yellow. Fruits red.

12277. Mascagnia macrodisca (Tr. + Pl.) Nied. Malpigh.
(11) High climbing liana in crown of large tree. Petals carmine pink.
det. W.R. Anderson 1984.

12278. Anthurium Arac.
(2) Epiphyte on tree trunk. Spadix brown.

12279. Phthirusa pyrifolia (HBK.) Eichl. Loranth.
(2) Hemiparasite on Jacaranda (# 12286). Fruits immature green.
det. J. Kuijt 1984.

12280. Polypodium crassifolia L. Fern
(11) Epiphyte on tree trunk. Rosette habit.
det. J.T. Mickel 1984.

12281. Besleria Gesner.
(6) Herb to 1 m. tall. Calyx light orange. Corolla deep orange.

DEC 6 1982

12282. Abuta Menisp.
(10) High climbing liana on tree trunk. Sterile.

12283. Rollinia EDULIS Te. & Pl. Annon.
(11) Tree 20. m. tall × 25 cm. diam. dirty
Flowers greenish yellow. Leaves
WOOD Shiny dark green above, pale dull
green beneath. DET. P.J.M. MAAS, 1988

12284. Peperomia serpens F. + M. Piperac
(2) Epiphyte on tree trunk. Spikes
cream. det. R. Callejas 1984.

12285. Inga cf. brachyrachis Harms Legum.-Mimos
(13) Tree 8 m. tall × 6 cm. diameter.
Fruits immature, shiny yellow green.
det. J. Grimes 1984
(Mort. ex DC.) A. Gentry

12286. Jacaranda copaia ssp. spectabilis Bignon.
(18) Tree 30 m. tall × 60 cm. diam.
WOOD Flowers blue-violet. det. A. Gentry 1984.

(CHAETIOPSIS) V. BITTRICH 1999 (NY)
12287. Clusia FLAVIDA (BENTH.) PIPOLY Guttif.
(11) Tree 15 m. tall × 16 cm diam.
Flower buds cream.
WOOD DET. J. PIPOLY (BRIT) 1997

DEC 6 1982

12288. Miconia prasina (Sw.) DC. Melast.
(11) Tree 6 m. tall. Flower buds creamy white. det. Wurdack 1984.
(Poepp.) Benth.

12289. Cerpotroche longifolia Flacourt.
(4) Treelet 4 m. tall. Fruits cauliflorous, white. det. H. Sleumer 1984.

12290. Polypodium percussum Cav. Fern
(9) Climbing epiphyte on tree trunk. det. J.T. Mickel 1984.

12291. Cyclanth.
(5) Epiphyte on tree trunk. Immature fruiting Spadix light green.

12292. Miconia chrysophylla (Rich.) Urb. Melast.
(11) Tree 10 m. tall. Flowers cream. Immature fruit green. det. J.J. Wurdack 1984.

12293. Quiinac.
(1) Shrub 3 m. tall. Fruits yellow-orange.

12294. Peperomia Piperac
(1) Epiphyte on tree trunk. Spikes Cream.

12295. Apocyn.
(1) High climbing liana with white latex. Flowers white.

12296. Clidemia epiphytica (Triana) Cogn. var. epiphytica Melast.
(3) Climbing vine on tree trunk. Immature fruits green turning whitish.
det. Wurdack 1984.

12297. Euphorb.
(22) Tree 30 m. tall x 70 cm. diameter.
WOOD No latex. Flowers cream. Wood hard, reddish.

12298. Plukenetia Euphorb.
(13) High climbing wiry vine in crown of tree. Flowers yellow-green. Immature fruits yellow-green.

12299. Pourouma Morac.
(13) Tree 20 m. tall x 25 cm. diam.
WOOD leaves dark green above, white beneath. Inflorescence yellowish brown.

12300. Araliac.
(12) Tree 28 m. tall x 65 cm. diameter,
WOOD leaves dark green above, yellow-

DEC 6 1982

brown beneath. Flowers green. Anthers yellow. Immature fruits green.

12301. Bryophyt.

(3) growing on tree trunk.

DEC 7 1982

BRAZIL: ~~Estado~~ do Amazonas. Municipio de Maraã. Rio Japurá. Lago de Maraã. (Reserva do)
Approx. 1°47'S, 65°37'W.
7 Dec 1982

303

12302-12349: Habitat - add to all labels,
Primary forest on terra firme.

12302. Philodendron — Aroc.
(4) Large epiphyte on tree trunk, 5 m. above ground. Leaves trifoliolate, medium green shiny above, lighter green shiny beneath. Spathe shiny yellowish green.

12303. Herrania nycterodendron Schultes — Sterc.
(3) Treelet 4 m. tall, unbranched. Flower buds brownish purple. Petals cream with red purple markings.

12304. Calathea — Maran.
(2) Herb ca. 1 m. tall on short stalk with stilt roots. Leaves dark, somewhat shiny green above pale glaucous green beneath. Bracts green. Flowers white.

12305. ? ~~Marant.~~
(2) Liana? appearing in treefall. Leaves shiny green. Fls. buds yellow green.

DEC 7 1982

(Aubl.) Koern.

12306. Ischnosiphon arouma det. L. Andersson 1984. Maroni.
(5) Herb 3 m. tall. Unbranched except near apex. Leaves somewhat shiny medium green above, somewhat shiny pale green beneath. Bracts dull green. Infl. axis prelinose. Corolla pale yellow. Large staminode red-brown.

12307. Ischnosiphon hirsutus Eichl. ex Peters. Maroni.
(6) Herb. 1 m. tall. Leaf bases brown. Leaves dark shiny green above; pale dull glaucous green beneath. Bracts light green. Corolla tube white. Staminodes bright yellow. det. L. Andersson 1984.

12308. Philodendron Arac.
(2) Climbing vine on tree trunk. Leaves shiny medium green above, shiny pale green beneath. Spathe whitish yellow.

12309. Fern
(1) Terrestrial fern.

12310 Sapot
(17) canopy Tree 30 m. tall x 40 cm diam.
wood Fruits light green. Branches

with white latex.

12311. Neoptychocarpus killipii (Morazchino) Buchheim Flecourt.
(17) Treelet 5 m. tall. Flowers cream.
(17) Fruits pale bluish green, 4 celled. det Steumer 1984.

12312. Maxillaria Orchid.
(1) Epiphyte on tree trunk 15 m. above ground. Flower deep golden yellow throughout.

12313. ~~Cochlidium linearifolium (Desv.) Maxon~~ Orchid.
(10) Epiphyte on large tree trunk. Perianth pale yellow. Lip dark red. Flower lost?
~~det. J. T. Mickel 1984.~~

12314. Cochlidium linearifolium (Desv.) Maxon Fern
(6) Epiphyte on large tree trunk 15 m. above ground. det. J. T. Mickel 1984.

12315. Aunon.
(3) Treelet 4 m. tall. Fruits pale green.

12316. Blakea rosea (R. + P.) Don det. Wurdack 1984. Melast.
(10) Treelet 7 m. tall. Bracts dark red-purple. ~~Fruit~~ purple-black, calyx lobes on fruit dark red-purple, [HLA 83.024]
[seed PTG]

DEC 7 1982

12317. Faramea cf. capillipes M. Arg. Rub.
(2) Low shrub 0.5 m. tall with spreading branches. Mature fruits purple black.
det. Kirkbride 1984.

12318. Philodendron Arac.
(1) Climbing herb on tree trunk. Leaves dark shiny green above, light shiny green beneath. Spathe light shiny green.

12319. Eugenia patrisii Vahl Myrtac.
(15) Tree 10 m. tall x 8 cm. diam.
WOOD. Fruits pendulous, bright red,
FR. separate 2.5 cm. diam. det. L. Landrum 1984.
det. B. Holst 1988.

12320. Potalia amara Aubl. Logan.
(2) Unbranched shrub 1 m. tall.
Fls. (A) Pedicel and calyx yellow-orange.
Corolla light green. Det. T. Plowman

12321. Monim.
(10) Treelet 8 m. tall. Buds silvery green. Immature fruit green.

12322. Grammitis nana (Fee) Brack Fern
(2) Epiphyte on tree trunk 15 m. above ground.
det. Michel 1984.

DEC 7 1982

12323. *Hymenophyllum* aff. *polyanthes* Sw. Hymenoph.
(3) Epiphyte climbing on tree trunk 15 m. above ground - det. J. T. Mickel 1984.

12324. *Polypodium* Fern
(1) Climbing epiphyte on tree trunk 15 m. above ground.

12325. *Piresia goeldii* Swallen Gram - Bambus.
(3) Herb. Spikelets in leaf litter, dark purple. det. G. Davidse 1984.

12326. *Rudgea stipulacea* (DC.) Steyerm. Rub.
(2) Shrub 1.5 m. tall. Corolla tube pale green, lobes white. det. Kirkbride 1984.

12327. *Adelobotrys* ? *linearifolia* Uribe Melast. ?
(5) Vine in crown of small tree. Sterile. Bearing galls. det. Wurdack 1984.

12328. ~~*Adiantum*~~ *Lindsaea ulei* Hieron. Fern
(2) Terrestrial fern. det. J. Mickel 1984

12329 *Sciaphila purpurea* Benth. Det. J. Plowman Triuridac.
(2) Saprophyte. Stem dirty yellow. Fruits dark purple.

DEC 7 1982

12330. Pariana Gram.
(18) Herb in forest near bank of igapó.

12331. Orchid.
(1) Epiphyte on tree trunk. Sepals and petals dark brown-purple with narrow yellow margin. Lip cream with dark brown stripes.

12332. Bertiera ~~guianensis~~ parviflora Spruce ex K. Schum. det. B. Boom 1985. Rub.
(4) Shrub 1.5 m. tall. Young fruits whitish. det. Kirkbride 1984.

12333. Passiflora Passifl
(1) High climbing vine. Flowers cauliflorous, red.

12334. Leandra candelabrum (Macbr.) Wurd. Melast.
(4) Scandent vine in forest 3.5 m. high. Inflorexis and ovary red-purple. Petals pink. Anthers pale yellow. det. J.J. Wurdack 1984.

12335. Mabea SPECIOSA MUELL. ARG. SSP. SPECIOSA Euphorb.
(12) Treelet 5 m. tall. Leaves bi-colorous, whitish green beneath. Fruits creamy yellow.
DET. H.J. ESSER 1991

DEC 7 1982

12336. Cheiloclinium cognatum (Miers) A.C. Smith Hippocrat.
(11) Scandent vine. Flowers yellow-green. Fruits ellipsoid to 32 mm long x 16 mm diam. det. A.M.W. Mennega 1984.

12337. Anaxagorea PHAEOCARPA MART. Annon.
(11) Tree 12 m. tall x 8 cm. diam.
WOOD Fruits rusty brown. DET. J. KALLUNKI, 1998
foto

12338. Burser.
(10) canopy Tree 30 m. tall x 50 cm. diam.
WOOD Fruits pale yellow, 25 mm long x
Sep. FR. 17 mm diam. N.V. "breu branco"
foto Exuding aromatic gum.

12339. Virola pavonis (A.DC.) A.C. Smith Myrist.
(11) Tree 25 m. tall x 30 cm. diam.
WOOD Flowers in long panicles, collected from ground, rusty colored.
det - W. Rodrigues 1985

12340. Quararibea muricata Cuatr. Bombac.
(12) Tree 10 m. tall x 10 cm diam.
WOOD. Calyx light greenish tan, immature fruit pale orange. det. B. Alverson 1984.

12341. Heteropsis Arac.
(1) Climbing wiry vine on tree trunk. Spadix
[LA-83.023]

DEC 7 1982

light orange; fruits orange.

12342. Tococa ulei Pilger Melast.
(10) Shrub 1.5 m. tall. Calyx pale green. Petals pale pink. Stamens white.
det. J.J. Wurdock 1984.

12343. Palmae
(1) Palm in forest. Infl. axis green.
O. Kuntze

12344. Rinorea macrocarpa (Mart. ex Eichl.) Violac.
(7) Treelet 5 m. tall. Fruits greenish or yellowish white, pendulous.
det. Hekking 1986.

12345. Lindackeria cf. paludosa (Benth.) Gilg Flacourt.
(11) Tree 7 m. tall. Fruits creamy yellow at maturity. det. H. Sleumer 1984.

12346. Selaginella parkeri (Hook. + Grev.) Spring Selaginel.
(8) Growing on forest floor.
det. J. Mickel 1984

12347. Ocotea longifolia H.B.K. Lauraceae
(12) Tree 20 m. tall x 45 cm diam.
WOOD Cupule yellow green. Immature fruits whitish green.
det. H. v. d. Werff 1984.

DEC 7 1982

12348. Euphorb.
(12) Tree 12 m. tall x 15 cm diam with white latex. Fruits shiny yellow-green, immature.

12349. Orchid.
(1) Epiphyte on tree trunk. Flowers yellowish-green.
[See also # 12376 for additional collection in this habitat]

Habitat: add to all labels.

12350-12375 Flooded igapó forest, streambank. Blackwater.

12350. PSEUDOXANDRA POLYPHLEBA (DIELS) R.E. FRIES Annon.
(11) Tree 8 m. tall. Fruits dark red-purple. DET. P. MAAS & A. VAN SETTEN 1987 (L.f.) Leeuwenberg ?

12351 [Bonafousia] Tabernaemontana siphilitica Apoc.
(6) Shrub 3 m. tall. Flowers white turning brownish at center. Latex white. det. Leeuwenberg 1984
fobs.

12352. Alibertia Rub.
(12) Treelet 3 m. tall. Flowers white. Fruit green.

12353. Blicourea crocea (Sw.) R. + S. det. C. Taylor Rub. 1984. Rubiac
(11) Shrub 3 m. tall. Infl. axis red.

DEC 7 1982

Flowers orange.

12354. Virola elongata (Benth.) Warb. Myrist.
(15) Tree 15 m. tall x 20 cm diam. Leaves dark shiny green above; whitish beneath. Infl. axis and flowers yellow-brown. det. W. Rodrigues 1985.

12355. MICROPHOLIS EGENSIS (DC.) PIERRE Sapot.
(11) Tree 7 m. tall. Calyx yellow brown. Corolla creamy white.
DET. T.D. PENNINGTON 1990

12356. Annon.
(11) Tree 10 m. tall. Flowers cream.

12357. Annon.
(4) Tree 15 m. tall x 20 cm. diam. Fruits brown, woody.

12358. Ficus Morac.
(10) Epiphyte shrub 6 m. tall with milky latex. Fruits green. n.v. "apuí"

DEC 7 1982

12359. Coussapoa Moree.
(11) Tree 15 m. tall x 15 cm. diam. Peduncles pale green. Inflorescence light orange.

12360. Diospyros TENUIFLORA A.C.Sm. Ebenac.
(10) Tree 8 m. tall. Calyx pale green. Corolla pale yellow. DET. L. COELHO, 1991

12361. Salacia multiflora (Lam.) DC. Hippocrat.
(6) Woody liana on stream bank. Flowers yellow. det. A.M.W. Mennega 1994.

12362. Mouriri froesii Morley Melast.
(13) Slender tree 12 m. tall x 10 cm diam. Petals white. Anthers yellow-orange. Ovary light green. det. T. Morley 1984

12363. Psychotria horizontalis Sw. ex char. Rubiac.
(9) Treelet 5 m. tall. Inflorescence axis and ovaries green. det. Kirkbride 1984.

12364. Rudgea cornifolia (H. & B.) Standl. Rubiac.
(10) Treelet 4 m. tall. Inflorescence axis and ovary green.
det. Kirkbride 1984.

DEC 7 1982

12365. Mouriri acutiflora Naudin Melast
(14) Tree 20 m. tall x 10 cm. diam.
fotos Flowers bright golden yellow throughout. det. T. Morley 1984.

12366. Erisma Vochysiac
(13) Tree 25 m. tall x 20 cm. diam.
fotos. Flowers light blue, enlarged petal dark blue.

12367. Erythroxylum ~~kapplerianum~~ loretense Plowman Peyr. Erythrox
(30) Shrub 5 m. tall on open bank
F-2 igarapé. Trunk 6 cm. diam.
Lf. chem. NY Leaves dark shiny green above,
voucher MO yellowish green beneath, somewhat
fotos US shiny. Flowers pale green.
K Long-styled plant.
~~ESA~~
G
Hut

→ Eschweilera parvifolia Martius ex A.P. de Candolle det. S. Mori 1985
12368. Eschweilera turbinata (Berg) Ndz. Lecyth.
(15) Tree 15 m. tall x 20 cm. diam on stream bank. Inflexia light green. Pedicels pinkish brown. Calyx creamy yellow. Corolla creamy white.
det. S. Mori 1984.

DEC 7 1982

12369. Buchenavia oxycarpa (Mart.) Eichl. Combret.
(17) Treelet 6 m. tall with spreading crown. Infl. pendulous. Flowers dark red. det. C. Stace 1984.

12370. Calyptranthes ~~Eugenia?~~
(15) Tree 12 m. tall x 15 cm. diam. Infl. ~~brown~~. Receptacle green. det. L. Landrum 1984.

12371. Orchid.
(1) Epiphyte on tree limb. Sepals and petals dull greenish yellow. Lip dull cream with dark purple dots.

12372. Oncidium Orchid
(6) Epiphyte on tree trunks. Flowers bright yellow.

12373. Diospyros TENUIFLORA A.C. SMITH Ebenac.
(15) Tree 10 m. tall. Flowers creamy white. DET. L. COELHO 1991

12374. Guettarda acreana Krause Rubiac.
(9) Shrub 3 m. tall. Corolla tube pale green. Limb white. Flowers very fragrant. det. Kirkbride 1984.

DEC 7 1982

12375. Casearia mariquitensis HBK. Flacourt.
(11) Treelet 6 m. tall. Flowers creamy white. det. J. Kallunki 1984.

Terra firme.
12376. Ganoderma Fungi
(5) Growing on large rotten tree stump. Dark red brown above, pores creamy white. Forest on terra firme.

DEC 8 1982

(434) Brasil: Estado do Amazonas. Municipio Maraã. Environs of Maraã.
Mouth of ~~lago~~ Maraã and Igarapé Maraã.
8 Dec 1982. Approx. 1°50'S, 65°35'W.
Igapó forest, presently not flooded.

12377. Streptocalyx longifolius (Rudge) Baker Bromel.
~~(4)~~ (10) Armed epiphyte in huge ant garden in dead tree on bank of igapó lake. Bracts pale greenish cream: Fruits cream.
det. L.B. Smith 1985.

12378. Virola elongata (Benth.) Warb. Myrist.
(14) Slender tree 8 m. tall × 10 cm. diam
WOOD Leaves shiny green above, whitish beneath. Infl. & flowers rusty brown.
Igapó forest. det. W. Rodrigues 1985.

12379. Ischnosiphon Marant.
(1) Climbing vine 4 m. tall.
Bracts green. Flowers creamy yellow. Disturbed forest on terra firme

12380. Anthurium Arac.
(2) Rosulate herb on rotten Stump.
Petiole ○ in x-section. Peduncle terete olive green. Spathe tan. Immature fruits purple. In forest on Terra firme.

DEC 8 1982

12381. Calathea M. Grant.
(3) Herb ca. 1 m. tall in forest on terra firme. Bracts dirty yellow turning tan. Flowers pale yellow-orange.

12382. Hyptis parkeri Benth. Labiat.
(7) Creeping herb with erect flowering stems, forming dense mat on river bank. Flowers white.
det. R. M. Harley 1985.

12383 Mitracarpus Rub.-Spermaco
(8) Erect herb on open river bank. Flowers white. det. Kirkbride 1984.

12384. ~~Dalbergia~~ Machaerium leiophyllum var. crista-castrense (Mart. ex Benth.) Rudd Leg.
(12) Shrub 4 m. tall on flooded bank of igapó lake. Fruits yellow-green, immature. det. V. Rudd 1984.

12385. Securidaca longifolia P. + E. Polygal.
(11) Scandent shrub on steep open bank along igapó. Flowers magenta-pink.
det. J. J. Wurdack 1984.

12386. Virola sebifera Aubl. Myrist.
(7) Slender tree 8 m. tall x 8 cm. diam. Fruits rusty brown. Growing on

DEC 8 .982

steep bank at edge of igapó lake.
det. W. Rodrigues 1985.

12387. Miconia nervosa (Smith) Triana Melast.
(7) Shrub 2 m. tall in disturbed forest on terra firme. Infl. axis red. Fruits immature, salmon-pink.
det. Wurdack 1984.

12388. Orchid
(1) Epiphyte on tree limb 15 m. above ground. Buds light green.

12389. Commelina Commel.
(1) Herb in forest on terra firme. Calyx pale green.

12390. Licania heteromorpha Benth. var, heteromorpha Chrysobal.
(15) Tree 10 m. tall x 10 cm. diam.
WOOD. Fruits light brown. det. G.T. Prance 1984.

12391. Utricularia foliosa L. Lentibul.
(13) Floating aquatic herb in igapó lake.
(A) fl. foto Flowers bright yellow. Infl. axis light greenish brown. New growth rose-pink.
det. T. Plowman 1985.

12392. Euph.
(11) Tree 15 m. tall on river bank in várzea forest. Inflorescence and fl. buds yellow-green

DEC 8 1982

12393. Virola elongata (Benth.) Warb. Myrist.
(12) Slender tree 8 m. tall in low-lying forest along igapó lake. Inflorescence and flowers rusty brown. det. W. Rodrigues 1985.

12394. Pithecellobium marginatum Sprue ex Benth. Mimos. Legum.
(11) Tree 6 m. tall on open bank at edge of igapó lake. Fruits reddish brown, immature. det. R. Barneby 1984.

12395. Diospyros POEPPIGIANA A.DC. Ebenac.
(12) (11) Tree 8 m. tall on open bank of igapó lake in forest margin. Immature fruits orange or yellowish.
DET. B. WALLNOFER, 1998

12396. RYNCHOSPORA AMAZONICA POEPP. & KTH: Cyperac.
(14) Sedge in open banks at edge of igapó lake. Inflorescence cream.
DET. R. GUAGLIANONE 1987

12397. Licania parviflora Benth. Chrysobal.
(14) Tree 15 m. tall x 20 cm. diam. with straight trunk. Inflorescence axis green. Flowers creamy yellow. growing at edge of igapó lake.
det. G. T. Prance 1984.

12398. Faramea sessiliflora (HBK.) DC. Rub.
(9) Erect shrub 3 m. tall in open thicket along shore of igapó lake. Stems flattened.

DEC 8 1982

Pedunles yellow green. Inflorescence axis white. Corolla light blue, Flowers fragrant. det. Kirkbride 1984.

det. R. Barneby 1984.

12399. Pithecellobium sect. Caulanthon Leg. - Mimos.
(3) Slender treelet 5 m. tall. Fruits cauliflorous. red-brown. On terra firme on banks of igapó lake.

12400. Heterostemon mimosoides Desf. Leg. - Caesalp.
(13) foto Tree 8 m. tall in forest on terra firme on banks of igapó lake. Sepals dull green. petals pale violet. Filaments pale pink, anthers deep pink. det. R. Barneby 1984

12401. Protium unifoliolatum Engl. Det. T. Plowman Burser.
(11) Tree 6 m. tall on terra firme on steep bank above igapó lake. Fruits bright red.

12402. Guttif.
(11) Shrub 3 m. tall in forest on terra firme. Immature fruits green.

12403. -
(7) Tree 8 m. tall in forest on terra firme. Flower buds yellow-green. Euphorb.

DEC 8 1982

12404. Virola elongata (Benth.) Warb. Myrist.
(2) Treelet in forest on terra firme
WOOD but near margin of igapó lake.
det. W. Rodrigues 1985.

12405. Siparuna Monim.
(8) Treelet 4 m. tall in forest on terra firme. In florescence and young fruits yellow green.

12406. MAXILLARIA SR. CANARIDII RCHB.f. Orchid.
(10) Epiphyte on dead tree trunk in igapó lake. Flower creamy white. 1999
DET. E.A. CHRISTENSON 1988,

12407. VOCHYSIA GRANDIS MART. Vochysiac
(22) Canopy Tree 40 m. tall x 1 m. diam.
fotos in forest on terra firme. In flores-
cence axis yellowt green. Flowers
bright yellow. Flowering only when
very large; the few flowering speci-
mens conspicuous in the area.
DET. M. KAWASAKI 1990

12408. Psychotria brachybotrya M. Arg. Rub.
(12) Shrub 1-2 m. tall in forest on terra
firme. Leaves dark green above,
light green beneath. Bracts yellow
green. Corolla white.
det. Kirkbride 1984.

DEC 8 1982

12409. Virola elongata (Benth.) Warb. Myrist.
(6) Slender tree in forest on terra firme near edge of igapó lake. Fruits rusty brown. Leaves green above, pale blue green beneath.
det. W. Rodrigues 1985.

12410. Vitex klugii Mold Verbenac
(24) Tree 15 m. tall x 12 cm diam. in terra firme forest on steep bank above lake. Inflorescence axis and calyx yellow green. Corolla tube pale violet. Lip deep blue violet.
det. H. N. Moldenke 1984.

12411. Salacia juruana Loes. Hippocrat.
(9) Woody liana in lowlying forest along igapó.
sep. fr. Fruits spherical, blue-green with wrinkled surface, 3 cm. long, 3.5 cm. diameter. det. A.M.W. Mennega 1984.

12412. Ludwigia hyssopifolia (G.Don) Exell Onagr.
(13) Erect herb in flooded bank of igapó. Petals deep yellow,
det. E. Zardini 1985.

12413. LEONIA GLYCICARPA RUIZ & PAV. Viola.
(17) Scandent shrub 5 m. tall in forest on terra firme. Immature fruits green. DET. L. COELHO, 1987

DEC 3 1982

12414 *Licania micrantha* Mig. Chrysobal.
(10) Tree 15 m. tall x 15 cm. diam. in lowlying forest margin along igapó lake. Leaves shiny dark green above, pale tan beneath. Immature fruits yellow-brown.
wood
det. G.T. Prance 1984

12415. Morac.
(12) Tree 6 m. tall in forest on terra firme on steep bank above lake. Fruits dark greenish-brown, sticky

12416. *Caraipa* Guttif.
(14) Tree 12 m. tall x 10 cm. diam. Fruits brown. Margin of igapó.

12417 *Abuta* sp. of *A. solimoesensis* Krukoff Menisperm.
(13) High climbing liana in crown of tree. Sterile. Growing on terra firme on steep bank above lake.
det. R. Barneby 1984

DEC 1 . .982

(346) BRAZIL: Estado do Amazonas. /Municipio de Tefé. Lago de Tefé, northwest bank. Approx. 3° 28' S., 64° 49' W.

10 Dec 1982.

12418-12453: Forest on terra firme.

12418. Bactris bifida Mart. Palmae
(6) Small clustering palm to 2 m. tall. Ripe fruits black. det. A. Henderson 1984.

12419. Geonoma maxima (Poiteau) Kunth. Palmae
to 4m. tall
(8) Slender palm forming small clump 2-3 m. diameter. Inflorescence axis dull orange. Fruits black, det. A. Henderson 1984.

12420. Carpotroche longifolia (Poepp.) Benth. Flacourt
(3) Shrub 3-4 m. tall. Flowers cream, some cauliflorous. Fruits white; 4 cm long, 3.5 cm. diam. Det. H. Sleumer 1984.

12421. ROLLINIA EDULIS TR. & PL. Annon.
(12) Tree 22 m. tall x 30 cm. diam.
WOOD Immature fruits green. DET. P.J.M. MAAS 1988

12422. BOCAGEOPSIS MULTIFLORA (MART.) R.E. FRIES Annon.
(16) Tree 20 m. tall x 15 cm. diam.
WOOD Immature fruits orange, red at maturity.
DET. J.M.S. MIRALHA, 1998

DEC 10 1982

DEC 10 1982

12423. Meliac.
(18) Tree 18 m. tall x 25 cm. diam. Flowers creamy white.
WOOD

12424. Erythroxylum macrophyllum Cav. Erythrox.
Det. T. Plowman
(19) NY
WOOD F
Chem. GH
(A) ILL
2 Fotos DUR
K
G
MO
APHIA
US
Tree 6 m. tall x 7 cm. diam. Leaves dark shiny green above with pale green midrib; very pale glaucous green beneath with yellowish midrib. Stipules reddish brown. Calyx yellow green. Petals yellowish cream. Immature fruits yellow-orange. Locally abundant near forest margin. Fls. gall-infested.

12425. PROTIUM SAGOTIANUM MARCHAND Burser.
(11) Tree 8 m. tall x 8 cm. diam. Ripe fruits bright red. DET. D. DALY 1998

12426. POUTERIA HISPIDA EYMA Sapot.
(11) Tree 25 m. tall x 30 cm. diam. 1990
WOOD Flower buds cream. DET. T.D. PENNINGTON

12427. Annon.
(3) Tree 3 m. tall x 6 cm. diam. Flower buds pale green.

DEC 1 0 982

12428. Philodendron MURICATUM WILLD. EX SCHOTT Araceae.
(7) Climbing vine on slender tree trunk in open cutover area. Leaves rather shiny, dark green above; dull yellow-green beneath. Petiole and terminal shoot dull dark red. Spathe green with dark purple tip.
DET. S. MAYO 1992

12429. Euphorb.
(11) Tree 4.5 m. tall in forest margin. Flowers creamy white, rather sweet-foetid. Staminate plant. (See #12431 for pistillate).

12430. Siparuna Monimiac.
(11) Aromatic shrub 4 m. tall in secondary growth. Flowers green. Fruits reddish at maturity.

12431. Euphorb.
(12) Tree 5 m. tall in forest margin. Flowers creamy white, sweet-foetid. Pistillate plant. (see # 12429 for Staminate)

12432. [CREPIDOSPERMUM] Hemicrepidospermum rhoifolium (Benth.) [TRIANA & PL.] Stuart Burseraceae.
(7) Tree 8 m. tall. Immature fruit

DEC 10 1982

brown. det. D. Daly 1984, D. DALY 1998

12433. Piper hostmannianum (Mig.) C. DC. Piperac.
(5) Climbing vine on tree trunk leaves shiny dark green, above, dull pale green beneath. Spikes cream. det. R. Callejas 1984.

12434. Psychotria racemosa (Aubl.) Raeusch. Rub.
(3) shrub 80 cm. tall. Inflorescence axis green. Flowers white. det. Kirkbride 1984.

12435. Piper bartlingianum (Mig.) C. DC. Piperac.
(5) erect shrub 1.5 m. tall Spikes erect cream. det. Callejas 1984.

12436. Rinorea macrocarpa (Mart. ex Eichl.) O. Kuntze Viola.
(14) Treelet 5 m. tall with spreading crown. Flowers yellow. Fruits shiny, pale green det. HEKKING 1986.

12437. Warszewiczia coccinea (Vahl) Kl. Rubiac.
(10) Tree 15 m. tall, x 20 cm. diam. Bracts brilliant red. Flowers orange-red, yellow tipped. det. Kirkbride 1984

foto

DEC 1 0 1982

12438. Dieffenbachia Arac.
(3) Erect herb to 80 cm. tall. Petioles brightly mottled white and dark green in snake-like pattern. [AL] Banta Spathe yellow green mottled with white spots. Sep with strong odor of skunk. SEL 82-534

12439. Abuta imene (Mart.) Eichler Menisp.
(11) Climbing wiry vine on small tree in disturbed forest. Inflorescence axis yellow-green. Flowers pale yellow. det. R. Barneby 1984. woop

12440. Trichomanes pinnatum Hedw. Fern
(2) Terrestrial fern. det. J.T. Mickel 1984.

12441. Compsoneura ulei Warb. Myrist.
(6) Tree 3-4 m. Flower buds pale yellow, very immature. det. W. Rodrigues 1985

12442. Anthurium Arac.
(4) Terrestrial rosette herb. Leaves shiny medium green above pale shiny green beneath. Petiole ○. Peduncle terete. Spadix brown.

DEC 1 0 1982

12443. Theobroma — Sterculi
(7) Tree 8 m. tall x 8 cm. diam.
wood Leaves bicolorous. Calyx yellow ochre. Petals dark maroon.

12444. Piper subglabrifolium C. DC. — Piper.
(b) Shrub 2 m. tall: Spikes erect, green. det. R. Callejas 1984.

12445. — Szpot.
(11) Tree 12 m. tall x 10 cm.
wood. diam. Young fruits brown. Latex in trunk.

12446. Bertiera guianensis Aubl. — Rubiac.
(11) Treelet 5 m. tall. Flowers white. Immature fruits green. det. Kirkbride 1984.

12447. Adiantum tetraphyllum H.+B. ex Willd. — Fern
(8) Terrestrial fern. det. J.T. Mickel 1984

12447A. Olyra — Gram.
(1) Tall grass 1.2 m.

12448. Hirtella — Chrysob
(1) Treelet 6 m. tall. Immature fruit green.

DEC 1 0 1982

12449. Adiantum cayennense Willd. ex Kl. Fern
(9) Terrestrial fern. det. J.T. Mickel 1984

12450. Psychotria Rubiac.
(12) Shrub 1.5 m. tall. Peduncle pale green. Inflorescence dull yellow-green. Flowers white.

12451. Morac.
(14) Tree 20 m. tall x 20 cm diam.
wood with white latex. Flowers creamy white.

12452. LEONIA CYMOSA MART. Violac.
(11) Treelet 6 m. tall. Flowers yellow. DET. J. KALLUNKI, 1998

12453. POUTERIA CAMPANULATA BAEHNI Sapot.
(12) Tree 15 m. tall x 12 cm diam.
wood. Latex in trunk. Fls: calyx brown. Corolla cream. DET. T.D. PENNINGTON 1990

12454-12456: ~~Flooded~~ Lake bank habitat

12454. Dalbergia inundata Spruce ex Benth. Legum.
(12) Tree 6 m. tall x 15 cm. diam. Immature fruits yellow-green on sandy lakeshore.
det. V. Rudd 1984.

DEC 10 1982

12455. Guttif
(4) Tree 8 m. tall on sandy lakeshore. Immature fruits green. Latex in stem yellow.

12456. Euphorb.
(12) Treelet 5 m. tall on sandy lakeshore. Flowers creamy white.

DEC 1 1982

BRAZIL: Estado do ~~Amazonas~~. Municipio de Tefé. Lago ~~de~~ Tefe, northwest bank. Approx. 3° 20' S., 64° 50' W.

11 Dec 1982.

(751) – Banks of Lago Tefé 2nd forest margin.
Habitat: 12457 – ~~12503~~ 12495

12457. Licania parviflora Benth. Chrysobal.
(13) Tree 12 m. tall x 15 cm. diam. on sandy shore. Flowers yellowish brown. det. G.T. Prance 1984.

ssp. glaucescens (Spr. ex Hook. f.) Prance

12458. Couepia paraensis (Mart. + Zucc.) Benth. Chrysobal.
(13) Tree 8 m. tall x 10 cm. diam. on sandy shore. Immature fruits green. det. G.T. Prance 1984.

12459. Gynerium sagittatum (Aubl.) Beauv. Gram.
(14) Tall cane-like grass 12 m. tall. Infl. 2 m. long. growing behind Sandy ~~shore~~ beach. det. G. Davidse 1984.
foto
! R. KALLIOLA 1990

12460: Bambusa subgen. Guadua Gram. - Bambus.
(12) Climbing bamboo 12 m. tall on sandy beach under trees. Stems
wood
Rhizome-

DEC 1 1 1982

12461. Peperomia sp. nov. Piperac.
(5) Climbing succulent herbaceous vine 10 m. tall on tree trunk. Pedunele pale green. Spikes brown.

12462. Ficus Morac.
(12) Epiphytic shrub 8 m. tall, with white latex. Figs small, light green.

12463. Pithecellobium divaricatum Benth. Mimos. Legum.
(10) Liana 5 m. tall among shrubs on sandy shore. Immature fruits green, some caulifloruous. Lit. Barneby + Grimes

12464. Mabea NITIDA SPRUCE EX BENTH. Euphorb.
(12) Tree 6 m. tall on sandy shore. Immature fruits brown. Abundant white latex throughout.
(DET. H.J. ESSER 1991)

12465. Orycthanthus sp. Loranth.
(8) Hemiparasite on tree limb Mature fruits red. det J. Kuijt 1984

17466. Couepia Parinari excelsa Sabine Chrysobal.
(16) Tree 10 m. tall x 10 cm diam. on sandy shore. Fruiting branches

DEC 1 1 1982

pendulous. Fruits immature, pale brown. det. G.T. Prance 1984.

12467. Clonodia racemosa (Adr. Juss.) Nied. Malpigh
(12) Woody vine among shrubs on sandy shore. Infl. axes light brown. Petals deep pink with white tips. Filaments yellow. det. W.R. Anderson 1984.

12468. CYPERUS HASPANS L. Cyperac.
(13) Sedge on open sandy shore. Spikes yellow. DET. T. KOYAMA 1987

12469. RHYNCHOSPORA PUBERA SSP. PUBERA (VAHL) BOCK. Cyperac.
(15) Sedge on open sandy shore. Inflorescence white. DET. T. KOYAMA 1987

12470. Philodendron Arac.
(2) Climbing epiphyte on tree trunk on sandy shore. Leaves shiny dark green above, paler dull green beneath. Sp the dull green.

12471. Sauvegesia rubiginosa St. Hil. Ochnac.
(3) Herb on open sandy shore. Flowers white, dark purple at center. det. C. Sastre 1984.

DEC 1 1 1982

12472. Davilla cuspidata Mart. ex Eichl. Dilleniac.
(3) Woody vine among shrubs behind sandy shore. Indurated petals orange. det. K. Kubitzki 1984.

12473. Dilleniac.
(6) Woody vine among shrubs on sandy shore. Immature fruits green.

12474. Desmodium barbatum (L.) Benth. Legum. Papil.
(5) Herb on open sandy shore. Flowers violet. det. B.G. Schubert 1984.

12475. Croton PALANOSTIGMA KLOTZSCH Euphorb.
(12) Tree 10 m. tall x 8 cm diam. behind sandy beach. Flower buds pale green. DET. R. LIESNER 1993

12476. Euphorb.
(3) Annual herb on open sandy shore. Flowers and fruits green.

12477. Machaerium inundatum (Mart. ex Benth.) Ducke Legum.
(15) Tree 6 m. on sandy lake shore. Fruits yellow-brown. det. V. Rudd 1984.

DEC 1 1 1982

12478. Pouteria caimito (R. + P.) Radlk. Sapot.
(11) n. v. "abiu" Det. T. Plowman
Tree 6 m. tall remaining from former cultivation on lake shore. Fruits shiny, yellow, 3 cm. long x 2.5 cm. diam.

12479. Macrolobium pendulum Willd. ex Vogel Caesal. Legum.-on sandy shore.
(11) Tree 10 m. tall x 12 cm. diam. Calyx yellow green. Stamens pink. Showy petal ~~white~~. det. R. Cowen 1984.

12480. Tabebuia barbata (E. Mey.) Sandw. Bignon.
(7) Tree 18 m. tall x 25 cm. diam. on sandy shore. Flowers rose-pink. det. A. Gentry 1984.

12481. Byrsonima Malpigh.
(13) Tree 9 m. tall x 11 cm. diam. Leaves ferruginous beneath. Flowers golden yellow. Growing on sandy shore.

12482. Vismia Guttif.
(10) Tree 7 m. tall ~~behind~~ sandy shore. Petals cream.

12483. Phthirusa sp. Loranth.
(11) Hemiparasite on Myrtaceous tree

DEC 1 1 1982

on sandy shore. Flower buds pale green. det. J. Kuijt 1984.

12484. PERA DISTICHOPHYLLA (MART.) BAILLON Euphorb.
(16) Shrub or treelet to 5 m. tall. Bracts cream. Immature fruits green. DET. M. J. HUFT 1992

12485. Struthanthus Loranth.
(8) Hemiparasite on tree on Sandy shore. Ripe fruits red. det. J. Kuijt 1984.

12486. Phoradendron piperoides (HBK.) Trel. Loranth.
(16) Hemiparasite on sterile tree on open sandy shore - Immature fruits orange, turning whitish. det. J. Kuijt 1984.

12487. Pithecellobium corymbosum (Rich.) Benth. Legum.
(11) Tree 6 m. tall on open sandy shore. Immature fruits green. det. R. Barneby 1984.

12488. Celast.
(12) Woody vine among shrubs on sandy shore. Flowers pendulous, yellow-brown.

DEC 1 1 1982

12489. Hirtella elongata Mart. + Zucc. Chrysobal.
(10) Tree 6 m. tall on open sandy shore. Petals white. Filaments pink! Immature fruit red. det. Prance 1984.

12490. Vismia MACROPHYLLA KUNTH Guttif.
(14) Weak tree 5 m. tall behind sandy shore. Flowers greenish white. Immature fruits pale green.
DET. N. ROBSON 1992

12491. Genipa americana L. Det. T. Plowman Rubiac.
(10+2) Cult.? tree 18 m. tall x 15 cm. diam. near house on lake shore.
foto
3 sep. fruits-2 Immature fruits pale brown, 7 cm. diam.

12492. Theobroma grandiflorum (Willd. ex Spreng.) Stercul.
(9) K. Schum.
n. v. "cupuaçú" Det. T. Plowman
3 sep. fruit foto. Cultivated tree 8 m. tall at former house site on lake shore. Fruits cauliflorous, dark brown, still unripe, 20 cm. long x 10 cm diam.

12493 Dalbergia riparia (Mart. ex Benth.) Benth. Legum.
(11) Liana among shrubs on open sandy shore. Fruits pale green.
det. V. Rudd 1984.

D C : 1 1982

12494. Coussapoa Morac.
(4) Epiphytic shrub 2.5 m. tall in large tree on sandy shore. Infl. yellow brown. Leaves silvery green beneath.

12495. Inga Legum.
(5) Tree 6 m. tall near former house site on lakeshore. Fruits light green.

Habitat 12496–12508 Disturbed forest on terra firme.

12496. Monnieria trifolia L. (=ERTELA TRIFOLIA, LOEFL.) Rutac.
(12) Weedy herb in clearing. Flowers White. det. J. Kallunki 1984.

12497. Ctenitis submarginalis (Langsd. & Frisch.) Ching Fern.
(2) Terrestrial herb caespitose.
det. J. T. Mickel 1984.

12498. Aneilema umbrosum (Vahl) Kunth ssp. ovato-oblongum (P. Beauv.) J.K. Morton Commel.
(10) Sprawling herb rooting at nodes with ascending flowering stems. Flower buds pale green. det. R.B. Foden 1984.

12499. Piper subsilvestre C. DC. Piperac.
(9) Shrub 1.5 m. tall in secondary forest. Spikes erect, green.
det. R. Callejas 1984.

DEC 1 1 1982

12500. VOCHYSIA FERRUGINEA MART. Vochysiac.
(20) Tree 23 m. tall x 40 cm. diam. on slope above Ichers Lore.
WOOD Infl. axis greenish brown. Flowers deep golden yellow. DET. M. KAWASAKI 1990

12501. Orthoclada laxa (L. Rich.) Beauv. Gram.
(5) Grass to 40 cm in clearing. det. G. Davidse 1984.

12502. Glycocarpa LEONIA CRASSA SMITH Violac.
(11) Tree 10 m. tall x 8 cm. diam. Fruits cauliflorous, pale bluish green, spheroidal. DET. L. COELHO, 1987

12503. Citrus aurantiifolia (Christm.) Swingle Det. T. Plowman Rutac.
(5) Cultivated tree 5 m. tall. Fruits pale green to green. n. v. "limão"

12504. Tectaria incisa Cav. Fern
(4) Terrestrial fern. det. J.T. Mickel 1984.

12505. Capparis sola Macbride Det. L. Plowman Capparac.
(7) Shrub 2.5 m. tall. Fruits dark red, pendulous.

DEC 1 1 1982

12506. Thelypteris (Goniopteris) sp.
(5) Terrestrial fern, det. J.T. Mickel 1984.

12507. Gustavia longifolia Poepp. ex Berg Lecyth.
(8) det. S. Mori 1985
Unbranched rosette tree 10 m. tall x 8 cm. diam. Flowers cauliflorous beneath crown of leaves. Pedicel pink. Ovary yellow. Petals white in basal 1/3, deep rose pink in apical 2/3. Stamens light yellow in basal 2/3, dark red in apical 1/3 (in center of flower).
wood
sep. fruits

12508. Asplenium serratum L. fern
(8) Rosette epiphyte on rotten stump. Leaves shiny green.

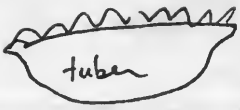
DEC 1 2 1982
?(471)

Same locality. Habitat: 12509 - 12517.
12 Dec 1982. Igapó habitat, sandy, flooded lake shore.

12509. Polygon.
(14) Erect shrub 3 m. tall in water. Flowers creamy yellow.

12510. Drzcontium Arac.
(5) Herb in low, periodically

Groat Montgomery Al



DEC 1 [illegible] 82

DEC 1 [illegible] 1982

flooded area in forest. Stem mottled in snake pattern. Sterile. Many young plants under parent, from bulbils

12511. Pachyptera Bignon.
(3) Woody liana in low flooded area of forest. Flowering sparsely 1 m. from ground. Flowers white.

12512. Tetrapterys styloptera Adr. Juss. Malpigh.
(7) Woody liana among shrubs on sandy lakeshore. Old fruits brown.
det. W.R. Anderson 1984

12513. Coutoubea ramosa Aublet Gentianac.
(13) Herb on sandy beach in shade of trees. Fls white or tinged pink.
DET. R. LIESNER 1993

12514. Croton PALANOSTIGMA KLOTZCH Euphorb.
(8) Tree 5 m. tall in forest margin behind sandy beach. Flowers greenish yellow.

Baker
12515. Aechmea tillandsioides (Mart. ex Schult. f.) Bromel.
(2) Epiphyte on tree limb on sandy beach. Leaf bases dark purple, blades light green. Peduncle & bracts red. Bracteoles yellow.

det. L.B. Smith 1984.

DEC 1982

12516. Aechmea mertensii (Meyer) Schult. f. Bromel.
(2) Epiphyte on tree limb or tree on sandy beach. Leaves tinged red violet. Peduncle yellow green. Bracts red. Bracteoles pale green. Calyx red. Immature fruits orange.

12517. Scleria EGGERSIANA BOCK Cyperac.
(13) Herb on open sandy beach. Fruits white. DET. T. KOYAMA 1987

Habitat: 12518–12540. Forest on terra firme along lake shore.

12518. Swartzia recurva Poeppig Legum.
WOOD (16) Tree 15 m. tall x 15 cm. diam. Calyx pale brown. Anthers yellow-orange. det. R. Cowan 1984.

12519. Isertia hypoleuca Benth. Rubiac.
(8) Shrub 4 m. tall in forest margin. Leaves whitish beneath. Corolla bright red. Immature fruits green.
det. J. Kirkbride 1984.

DEC 1 5 1982

12520. Sapind.
(6) Tree 12 m. tall x 15 cm. diam. in forest margin. Nearly ripe fruits light green turning reddish.

12521. ~~Secundatia~~ Forsteronia affinis Muell. Arg. det. B. Hansen 1985. Apoc.
(14) Woody liana 25 m. high in tree top. Flowers pure white, fragrant. Stems with white latex.

12522. Euphorb.
(15) Tree 25 m. tall x 50 cm. diam. Inflorescences yellow-green.
WOOD

12523. Palicourea GRANDIFLORA (H.B.K.) STANDL. Rubiac.
(11) Shrub 2 m. tall. Peduncle and inflorescence axis red. Calyx and corolla bright yellow. DET. C.M. TAYLOR 1989

12524. Piper bartlingianum (Miq.) C. DC. Piperac.
(13) Shrub 1.8 m. tall. Spikes erect, cream. det. R. Callejas 1984.

12525. Licania canescens R. Ben. Chrysobal.
(13) Tree 18 m. tall x 15 cm. diam
Sep. fruit Fruits pale brown. det. G.T. Prance 1984

DEC 1 2 1982

12526. Casearia javitensis HBK. Flacourt.
(9) Treelet 5 m. tall in forest margin. Fruits purple-brown.
det. H. Sleumer 1984.

12527. OCOTEA ACIPHYLLA (NEES) MEZ, S.L. Laurac.
(12) Tree 20 m. tall x 30 cm. diam.
WOOD Immature fruits pale green. Wood highly aromatic.
n.v. "louro inamui". DET. H. VAN DER WERFF 1988

12528. Tococa guianensis Aubl. Melast.
(9) Shrub 3. m. tall in forest margin. Flowers pale pink.
det. J.J. Wurdack 1984.

12529. Metaxya rostrata (Willd.) Presl Fern
(3) Terrestrial fern, 1 m. tall.
det. J. T. Mickel 1984.

12530. Violac.
(3) Tree 6 m. tall. Flower buds yellow-green.

12531. Guttif.
(23) Tree 10 m. tall. Petals
WOOD reflexed, creamy white, anthers pale yellow. Yellow sap in bark.

DEC 1 2 1982

12532. Lophanthera longifolia (HBK.) Gr. Malpigh.
(7) Tree 8 m. tall. Immature fruits green. det. W. R. Anderson 1984.

12533. Couepia racemosa Benth. ex Hook. f. Chrysob.
(13) Tree 15 m. tall x 20 cm diam. Immature fruits pale brown-
Sep. fr. det. G. T. Prance 1984.

12534. cf. Myrcia Myrt.
(12) Slender tree 10 m. tall x 8 cm. diam. Fl. bud pale green. det. L. Landrum 1984.

12535. Erythroxylum mucronatum Benth. Det. T. Plowman Erythrox
(18) NY US F MO GH ILL K sapling treelet 6 m. tall in steep hillside forest above lake. Bark on twigs red-brown. Stipules red-brown. Leaves somewhat shiny above, dark green with light yellow green midrib: Leaves somewhat shiny, pale green beneath. Sterile. Many seedlings and saplings here but no parent tree found.
foto (A)
lvs → chem anal.
WOOD: Uw
Det. T. Plowman

Astrocaryum munbaca Mart.
12536. ~~Bactris~~ det. A. Henderson 1985. Palmae
(10) Single trunk palm 4 m. tall. Trunk with long black spines. Leaves 7.5 m long. Flower cream.

DEC 1 2 1982

12537. Renealmia floribunda K. Sch. Zingib.
(2) Herb in forest, 2 m. tall. Ripe fruits black. det. C. C. Berg 1984.

12538. Lindackeria paludosa (Benth.) Gilg Flacourt
(7) Treelet 6 m. tall. Petals creamy white. Anthers yellow. det. H. Sleumer 1984.

12539. Rinorea racemosa (Mart.) O. Kuntze Viol. sc.
(11) Common treelet 8 m. tall with spreading crown. Flowers pale yellow. det. Hekking 1986.

12540. POUTERIA VENOSA (MART.) BAEHNI Sapot.
(16) Tree SSP. AMAZONICA, PENNINGTON 18 m. tall x 25 cm. diam. Fruits immature, green, 5.5 cm long x 7.0 cm. diam.
wood sep. fruits
DET. T. D. PENNINGTON 1990

H26: tot: 12541–12545 Igapo forest on sandy lakeshore.

12541. Vittaria lineata (L.) J. E. Smith Fern.
(8) Pendulous epiphyte on tree trunk. det. J. T. Mickel 1984.

12542. Borreria sp. aff. verticillata (L.) G. F. W. Meyer Rub.-Sperm.
(9) Herb on open sandy beach. Corolla white. det. Kirkbride 1984

DEC 1 2 1982

12543. Crotalaria Leg.-Fabid.
(5) Annual Herb on open sandy beach. Flowers yellow.

12544. HYPOLYTRUM LONGIFOLIUM L.C.RICH. Cyperac.
(10) Cespitose herb on sandy beach under shade of trees. DET. T. KOYAMA 1987
Diodia hyssopifolia (Willd. ex R. + S.)
12545. ~~Borreria~~ Cham. + Schl. Rub.-Spermac.
(10) Herb. woody at base on open sandy beach. Flowers white.
det. Kirkbride 1984.

DEC 1 3 1982

Brazil: Estado do Amazonas. Municipio de Tefé. Lago Tefé. Rio Bauana estuary. Approx. 3°29'S, 65°00'W. 13 Dec 1982.

(461)?

12546. Couratari oligantha A. C. Smith Lecyth.
(18) N. V. "tauarí" det. G. T. Prance 1984.
WOOD (A)-fig Prance NY Tree 25 m. tall x 60 cm. diam with buttresses 1.3 m. high. Older
Fotos leaves turning bright red. Ovary dark red-purple. Calyx deep rose. Corolla and staminode rose pink. Flowers very showy. Growing in forest remnant on terra firme near river bank.

12547. Annon.
(17) Tree 22 m. tall x 40 cm. diam.
WOOD Flowers congested, pale green turning dark reddish tinged with age. Wood aromatic.

12548. Mimosa pigra L. Leg.-Mimos.
(11) Armed shrub 1 m. tall in open disturbed area on riverbank. Flowers pink.
det. R. Barneby 1984.

DEC 1 3 1982

12549. Capsicum chinense Jacq. Solanac.
(3) Cultivated subshrub 1.5 m. tall in houseyard. Flowers and fruits nodding. Pedicel dark purple. Calyx light green. Corolla cream. Anthers blue-violet; Fruits ovoid, 4 cm. long x 3.5 cm. diam., yellow-green, with dark purple flush. det. M. Nee 1985

12550. Dracontium asperum C. Koch & Fintelmann Arac.
(6) Tuberiferous herb 1.8 m. tall in capoeira. Leaves ternate, dissected, light yellow green above, dull, with occasional white splotches at nerve branchings; leaves shiny yellow-green beneath. Petiole mottled brown and white in spoke-like pattern. Tuber lens-shaped, 14 cm in diameter, 7.5 cm high. light tan in color, upper surface covered with small tubercles. White roots arising from above.
det. T. Croat 1985.

HLA 83.018
A. Fernandez
Sucre
Ubainda
PTBG
FTG

12551. Malpigh.
(15) Woody vine in open secondary thicket on terra firme. Petioles dark red. Leaves bicolorous. Immature fruits yellow-green.

DEC 1 3 1982

12552. Calyptranthes sp. Myrtac.
(12) (10) Treelet 4 m. tall in primary forest on terra firme. Flower buds pale green. det. L. Landrum 1984.

12553. Faramea capillipes M. Arg. Rubiac.
(11) Treelet 5 m. tall in primary forest on terra firme. Mature fruits dark blue-purple. det. Kirkbride 1984.

12554. Dieffenbachia Aracc.
(1) Erect herb 1 m. tall in secondary forest. Petiole dark green mottled with white spots. Leaves shiny green above, dull pale green beneath. Spathe light yellow green with paler green spots. Sap with strong odor of skunk.

12555. Selaginella geniculata (Presl) Spring Selaginel.
(8) Terrestrial herb in primary forest on terra firme. det. J. T. Mickel 1984

12556. Annon.
(6) Tree 8 m. tall x 8 cm. diam. Flowers yellow-brown.

12557. Unxia camphorata L.f. Comp.
(7) Herb in open cultivated clearing.

DEC 1 3 1982

Flowers yellow. det. J. Pruski 1984

12558. Aciotis purpurascens (Aubl.) Triana Melast.
(4) Substrub 1 m. tall in primary forest on terra firme. Petiole and nerves on leaf underside reddish. Infl. ex in and calyx pale green. Flowers pure white. det. J.J. Wurdack 1984.

12559. ~~Dalbergia~~ Machaerium leiophyllum var. crista-castrense (Mart. ex Benth.) Rudd Legum.
(12) Willowy tree, 6 m. tall, on river bank subject to inundation. Fruits yellow-green. det. V. Rudd 1984.

12560. Calathea Maranth.
(4) Herb 80 cm. tall in primary forest on terra firme. Rhizome with stilt roots. Leaves shiny medium green above, pale glaucous green beneath. Bracts dull green. Flowers pure white.

12561. Heliconia acuminata L.C. Rich ssp. occidentalis L. Anderss. Musac.
(1) Herb 1.5 m. tall in primary forest on terra firme. Leaves somewhat shiny both sides, paler beneath. Peduncle and branch bracts bright

foto

DEC 3 1982

carmine red throughout. Infl. erect, plane. Pedicel white. Ovary basally white, dark green at tip! Perianth white with dark green longitudinal spots. det. L. Andersson 1985.

12562. Psychotria deflexa DC. Rub.
(9) Shrub 1 m tall in forest on terra firme. Flowers white. Immature fruits green. det. Kirkbride 1984.

12563. Philodendron. Arac.
(2) Climbing epiphyte on tree trunk in primary forest on terra firme. Leaves leathery, shiny dark green above; lighter yellow-green, shiny, beneath. Peduncle green. Pistillate part of spathe dark reddish. Staminate part cream. Stem with abundant milky latex.

12564. Heisteria cf. densifrons Engl. Olac.
(12) Shrub 3 m. tall in capoeira on terra firme. Flowers in axillary fascicles, white. det. H. Sleumer 1984.

12565. Caladium bicolor Ait. Arac.
(4) Tuberiferous herb in capoeira on terra firme. Petiole pale green.

DEC 1 3 1982

Leaves dark green with white splotches parallel midrib between major secondary nerves. Tuber a truncate cone, 3.5 cm. long, 3 cm. diam. det. T. Croat 1985.

12566. Anthurium gracile Aroc.
(3) Epiphyte on tree trunk in capoeira on terra firme. Spathe dark red. Spadix dark red. Fruits bright red.

12567. RHYNCHOSPORA AMAZONICA POEPP. & KUNTH Cyperc
(10) Sedge in open newly cleared field. Inflorescence yellow-green.
DET. R. GUAGLIANONE 1987

12568. ISCHNOSIPHON POLYPHYLLUS (P. & E.) KOERNICKE/Marant.
(20) Herb 2.5 m. tall in clearing near river bank, on terra firme. Stem unbranched for 1-2 m. Leaves shiny dark green above, paler shiny green beneath; coriaceous. Bracts pale green. Flowers pure white throughout. DET. H. KENNEDY 1992

12569. Jatropha gossypiifolia L. Det. T. Plowman Euphorb.
(10) Cultivated herb 40 cm. tall in house yard on terra firme. Stems and petioles and new growth shiny, dark red-purple.

DEC 1 1982

Flowers red. Immature fruits light green.
n.v. "pião roxo" - medicinal

12570. Pothomorphe peltata (L.) Miq. Piperac.
(7) Herb 1 m. tall growing near house site on terra firme. Spikes creamy white. det. R. Callejas 1984.

12571. Ipomoea quamoclit L. Det. T. Plowman Convolv.
(11) Spontaneous herbaceous vine in thicket near house site on terra firme. Flowers bright red. Not planted.

12572. Desmoncus Palmae
(1) Climbing palm 2.5 m. tall in capoeira on terra firme. Immature fruits green.

12573. Paspalum repens Berg. Gram.
(11) Floating grass forming large mats in open estuary. Spreading by buoyant stolons. Growing with #12574.
det. G. Davidse 1984.

12574. PANICUM DICHOTOMIFLORUM MICHX. Gram.
(13) Floating grass ~~in open estuary~~ Forming extensive colonies with

DEC 1 3 1982

#12573, spreading by long, buoyant stolons. DET. G. DAVIDSE, 1980

12575. ~~Gustavia~~ Eschweilera hexapetala (Aubl.) Smith Lecyth.
(11) Tree 8 m. tall in forest on terra firme. Fruits yellow at maturity to 3 cm. long x 2.7 cm. diam.
det. S. Mori 1984.

12576. Aechmea tillandsioides (Mart. ex Schult. f.) Baker Bromel.
(5) Epiphyte on tree limb in capoeira on terra firme. Peduncle dark red. Bracts bright red. Bracteoles yellow. Fruits yellow.
det. L. B. Smith 1985.

12577. Hibiscus spathulatus Garcke Malvac.
(5) Subshrub 1.5 m. tall in disturbed area near house site on terra firme. Not planted. Flowers rose pink. det. P. A. Fryxell 1984.

12578. Amaranth.?
(10) Herb in disturbed area around house site. Leaves white beneath. Bracts yellow green. Flowers white.

12579. Casearia javitensis HBK. Flacourt.
(10) Shrub 3 m. tall in capoeira on terra firme. Immature fruits dark red.
det. H. Sleumer 1984.

DEC 1 3 1982

12580. Ichthyothere terminalis (Spreng.) S.F. Blake Comp.
(11) Shrub 2 m. tall in open secondary thicket on terra firme. Flowers white. det. J. Pruski 1984.

12581. Rinorea macrocarpa (Mart. in Eichl.) O. Kuntze Viola.
(15) Common treelet with flat crown, 4 m. tall. Flowers pale yellow. Fruits cream. Forest on terra firme. det. Hekking 1986.

12582. Eupatorium brasiliensis DC. Comp.
(4) Aromatic herb in open disturbed area near house site. Capitula yellow-green. det. J. Pruski 1985.

12583. Eschweilera parvifolia Mart. ex DC. Lecyth.
(4) Tree 10 m. tall x 15 cm. diam. Fruits light brown. On edge of terra firme forest along river bank. det. S. Mori 1984.

12584. Potalia amara Aubl. Det. T. Plowman Logan.
(3) Unbranched treelet 6 m. tall. Inflorescence axis bright yellow. Corolla yellow-green. Petals with thin yellow margin. Primary forest on terra firme.

DEC 1 3 1982

12585. Discophora guianensis Miers Icacin.
(12) Shrub 4 m. tall in primary forest on terra firme. Infl. axillary. Fruits shiny black with large white fleshy aril covering one half of fruit.
foto
DET. R. HOWARD 1985 ! D. DE STEFANO VI/1995

12586. Mouriri sagotiana Triana Myrtac.
(13) Treelet 6 m. tall x 5 cm. diam. in primary forest on terra firme. Ovary light green. Petals and stamens bright yellow. det T. Morley 1984

12587. Curarea tecunarum Barneby & Krukoff Menisp.
(8) Climbing wiry vine in primary forest on terra firme. Leaves whitish beneath. Sterile. det. R. Barneby 1984.

12588. Eugenia ~~sp.~~ egensis DC. Myrtac.
(12) Shrub 3 m. tall in open secondary thicket on terra firme. Immature fruits light green to yellow. ~~det. Landrum 1984.~~
det. B. Holst 1988.

12589. Bixa orellana L. Det. J. Plowman Bixac.
(11) Cultivated shrub 4 m. tall in house yard on terra firme. Flowers pale pink. Fruits golden yellow at maturity.
n.v. "urucu"

DEC 1 3 1982

12590. POUTERIA GOMPHIIFOLIA (MART.) RADLK. Sapot.
(2°) Tree 15 m. tall x 18 cm. diam.
WOOD on edge of terra firme forest on river bank. Immature fruits rusty brown. Trunk with white latex.
DET. T.D. PENNINGTON 1990

12591. Siparuna Monim.
(16) Tree 8 m. tall in primary forest on terra firme. Flowers pale yellow green. Fruits ellipsoid, 2 cm. long x 1.5 cm diam.

12592. PAYPAYROLA GRANDIFLORA TUL. Violac.
(13) Tree 8 m. tall x 6 cm. diam. in primary forest on terra firme. Flowers light yellow. Fruit immature, ellipsoid, 4 cm long x 2 cm. diam., light green. DET. J. KALUNKI, 1998

12593. Virola elongata (Benth.) Warb. Myrist.
(9) Treelet 3 m. tall growing terra firme near river bank. Fruits green with brown pubescence.
det. W. Rodrigues 1985.

12594. Leg.-Mimos.
(1) Shrub 2 m. tall. Buds dark red.

DEC 1 ? 1982

12595 TORULINUM ODORATUM (L.) HOOPER Cyperac.
(11) Sedge growing in newly cleared field on terra firme. Inflorescence yellowish brown.
DET. R. GUAGLIANONE 1987

12596 Scleria PTEROTA PRESL Cyperac.
(11) Sedge growing in newly cleared field on terra firme. DET. T. KOYAMA 1987

DEC 14 1982

(94)

BRAZIL: Estado do Amazonas. Municipio de Tefé. Lago de Tefé, northwest bank. Approx. 3°20'S, 64°50'W. 14 Dec 1982.

12597. Aechmea setigera Mart. ex Schult. f. Bromel.
(5) Tank Epiphyte on tree limb in living tree on sandy lakeshore. Leaves erect, light green with yellow spots. Infl. [seed SEL] pendulous. Peduncle yellow green, bracts pale red. Infl. axis green. bracteoles pale green. Fruits yellow.
det. L. B. Smith 1985.

12598. Machaerium ferox (Mart. ex Benth.) Ducke Legum.
(3) Climbing woody vine 8 m. tall on sandy lakeshore among shrubs. Pedicel and calyx dark purple black. Petals basally white, apically pink.
det. V. Rudd 1985.

12599. Ficus
(5) Sprawling tree 8 m. tall on sandy lakeshore. Milky latex in stem. Fruits yellow-orange.

12600. Heisteria densifrons Engl. Olacac.
(12) Treelet 6 m. tall in forest on terra firme. Fls. white, axillary.
det. Steumer 1984.

DEC 14 1982

12601. Faramea multiflora A.C. Rich. ex DC. Rub.
(4) Shrub. 1.5 m. tall in primary forest on terra firme. det. Kirkbride 1984.

12602. Billbergia Bromel.
(2) Erect epiphyte on limb of tree on Sandy lakeshore. Leaves light green mottled with silver splotches. Peduncle pale blue toward base, apically dark blue-green. Fruits still green covered with white pubescence.

Gnetac.
12603. Gnetum ~~Hippocrat.~~
(17) Sprawling woody vine among trees on sandy lake shore. Fruits immature, yellow-green, shiny. Milky latex in stem
WOOD
Sep. fruits foto

12604. SYMMERIA PANICULATA BENTH. Polygon.
(12) Shrub 4 m. tall growing in water on sandy lake shore. Flowers creamy yellow. DET. R. HOWARD 1985

12605. Costus scaber R. + P. Zingib.
(5) Herb to 1.5 m. tall in somewhat disturbed primary forest on terra firme. Bracts and flowers light red.
det. P.J.M. Maas 1984.

DEC 14 1982

T. LAGERNARIA LEEUWENBERG (1994)

12606. Tabernaemontana psychotriifolia HBK. Apocyn
(17) Tree 20 m. tall x 40 cm. diam. wood with abundant white latex. Inflorescence axis greenish yellow. Corolla white. Forest on terra firme.
det. A. Leeuwenberg 1984.

12607. Ischnosiphon hirsutus Peters. Marant.
(2) Terrestrial herb. Leaf sheaths pink at base. Leaves dull green above, pale green beneath. Petioles and bracts with brown hairs. Bracts pale bluish green. Flowers yellow. In forest on terra firme. det. L. Andersson 1984.

12608. Calathea Marant.
(2) Herb 1 m. tall in forest on terra firme. Leaves dark shiny green above, lighter green shiny beneath. Infl. bracts light yellow brown. Flowers dirty yellow.

12609. Calathea
(3) Low herb in forest on terra firme. Leaves shiny ~~green~~ medium green above with broad central dark green area ~~parallel~~ between midrib and margin on each side of blade; pale grey green or red-purple, dull beneath. Bracts in a narrow cylindrical inflorescence,

DEC 14 1982

light yellow-green.

12610. Bactris simplicifrons Mart. Palmae
(3) Single trunk erect palm 1.5 m. tall. Immature inflorescences pendulous, green throughout, 3 on successive nodes below leaves. det. A. Henderson 1984

12611. Cochlospermum Cochlosperm.
(2) Enormous tree 25-30 m. tall x 80 cm. diam. Old inflorescences found on ground. → without buttresses. Trunk smooth, whitish.

[HLA seed 83.021 dead]

FIM DA EXCURSÃO AO JAPURÁ/TEFE

14 Dec 1982.

DEC 1 ? 1982

Coll. T. Plowman, E. W. Davis and B. Nelson.
Brazil: Estado do Amazonas.
Tarumã Alta, 14 km. NW of Manaos.
Campina Rana.
19 Dec 1982

12612. Sapotaceae
(10) Tree 15 m. tall x 25 cm. diam. Milky latex in stem. Bark reddish. Immature fruits green.

12613. Moraceae
(12) Treelet 10 m. tall x 15 cm diam. Infructescence axis red. Mature fruits black. [HLA-83.019]

12614. PROTIUM HEBETATUM DALY Burseraceae
(9) Tree 15 m. tall x 15 cm. diam. Flowers cream. Immature fruits pendulous, shiny green. DET. D. DALY, 1998

12615. Burseraceae
(10) Tree 22 m. tall x 35 cm diam. Fruits bright carmine red at maturity; 25 mm. long x 32 mm. diam. Seeds black with white fleshy aril.

DEC 1 9 1982

12616. Machaerium leiophyllum (Benth.) Rudd var. latifolium Legum.
(11) Armed shrub 3 m. tall in forest margin in wet place. Immature fruits shiny light green. det. V. Rudd 1984.

12617. Tapura guianensis Aubl. Dichapet.
(13) Treelet 5 m. tall. Flowers creamy white.

12618. Psychotria Rubiac.
(7) Shrub 1 m. tall. Inflorescence axis green. Flowers white.

12619 LEONIA CYMOSA MART. Violac.
(12) Treelet 4 m. tall. Immature fruits dark green. DET. J. KALLUNKI, 1998

12620. Burserac.
(12) Tree 15 m. tall x 20 cm. diam. Immature fruits green.

12621. Sapot.
(10) Tree 20 m. tall x 30 cm. diam.
(A) → K with white latex. Immature fruits green.

DEC 1 9 1982

12622. Asplenium angustum Sw. Fern
(3) Epiphytic rosulate fern on tree trunk 4 m. from ground
det. W.T. Mickel 1984.

12623. Eschweilera grandiflora (Aubl.) Sandw. Lecyth.
(7) Tree 12 m. x 10 cm. diam. Calyx red. Corolla cream. Immature fruit green. det. S. Mori 1984.

12624. Cyperac.
(3) Tall cespitose sedge along shady ravine in forest

12625. Iryanthera coriacea Ducke Myrist.
(4) Treelet 5 m. tall. Inflorescence rusty brown. Flowers in bud.
det. W. Rodrigues 1985.

12626. Phthirusa or Oryctenthus Loranth.
(3) Hemiparasite on Sapotaceous tree (# 12621). Flowers green.

12627. Iryanthera juruensis Warb. Myrist.
(9) Tree 18 m. tall x 20 cm. diam
sep. fruit fotos Fruits cauliflorous, shiny pale green at maturity. Seeds covered with red shiny aril.
[Seed Lyon] [HLA 83.017] dead
det. W. Rodrigues 1985.

DEC 1 9 1982

12628. Luehea Tiliac.
(6) Tree 6 m. tall x 10 cm. diam. Petals white. Growing low wet area in forest margin.

12629. Heteropsis Aroc.
(4) Wiry climbing vine on tree trunks in forest. Spadix pale green. Flowering on pendulous lateral branches.
photo

12630 Philodendron distantilobum Krause Aroc.
(7) Climbing epiphyte on tree trunk 3 m. above ground. Petiole ▽ in section. Leaves shiny dark green above, rather dull, pale green beneath. Peduncle rose pink. Spathe deep red in basal inflated portion, apical part rose pink with white margin, creamy white within. Spadix creamy white. det. T.B. Croat 1986.
photos
↕ ?

12630. Philodendron melinonii Brongn. ex Regel Aroc
(3) Climbing epiphyte on tree trunk 6 m. above ground. Leaves dark shiny green above, pale green beneath. Petiole ◡ in section. Spathe dark purple-black, spadix cream.
det. T. Croat 1985.
Photos → Croat

DEC 1 9 1982

12632. Cyperac.
(2) Tall sedge along wet shady ravine.

12633. Monotagma SECUNDUM (PETERS.) SCHUM. Marant.
(12) Herb 1 m. tall in wet shady creek in forest. Leaves dark green, matte-velvety surface, grey green beneath with yellow midrib. Bracts yellowish green. Corolla tube pink. Lobes whitish. Staminodes pale pink. DET. H. KENNEDY 1985

12634. Rapatea Rapateac.
(12) Tall herb in wet shady creek
(A) in forest. Leaves dull dark green
photo above, grey-green beneath, marginous at base. Bracts green. Sepals tan. Corolla pale yellow.

12635. PROTIUM PANICULATUM ENGL. Burserac.
(10) Tree 20 m. tall x 30 cm. diam. Immature fruits light green with 3 ridges close together on one side. DET. D. DALY 1986

DEC 1 9 1982

12636. Pourouma Moraceae
(15) Tree 20 m. tall x 30 cm. diam. Peduncles yellow-green. Pedicels rusty red. Fruits black at maturity, sweet, edible.

12637. Bactris sp. Palmae
(2) Small palm 2.5 m. tall. Immature fruits green. det. A. Henderson 184.

12638. Myrtaceae
(11) Slender tree 10 m. tall x 12 cm. diam. Flowers past.

12639 Rinorea racemosa (Mart.) O. Kuntze Violaceae
(11) Treelet 6 m. tall. Inflorescence yellow-green. det. Hekking 1986.

12640. Piper bartlingianum (Miq.) C. DC. Piperaceae
(6) Shrub 1.5 m. tall. Spikes erect, yellow green. det. R. Callejas 1984.

12641. Piper bartlingianum (Miq.) C. DC. Piperaceae
(5) Shrub 1.5 m. tall. Spikes erect, Cream. det. R. Callejas 1984.

DEC 1 0 1982

12642. Palmae
(1) Palm 1.5 m. tall. Immature fruit green.

12643. Ryania pyrifera (L.C. Rich.) Sleum. & Uittien Flacourt.
(3) Treelet 6 m. tall. Immature fruits pale yellow-brown.
det. Sleumer 1984.

BRAZIL: Estado Amazonas. Manaus. Banks of the Rio Negro at Hotel Tropical. 25° Dec 1982.
Coll. T. Plowman & E.W. Davis.

12644. Humiriac.
(2) Tree 8 m. tall, with pendulous branches. Fruits immature, green, ellipsoid.
foto

12645. Cassipourea guianensis Aubl. Rhizoph.
(3) Tree 5 m. tall with storied branches. Fls green. Immature fruits green. det. G.T. Prance 1984.
foto

12646. Tabernaemontana rupicola Benth. Apoc.
(3) Slender shrub 2.5 m. tall. Corolla tube pink, lobes white.
det. Leeuwenberg 1984
foto

DEC 2 6 1982

BRAZIL: Estado Amazonas. Municipio de Manaus. Road from Manaus to Caracaraí, Km. 45. Estaçao Biologica do INPA. ~~Area do Campina~~ Reserva Campina.
26 Dec 1982. Coll. T. Plowman, E. W. Davis, B. Nelson

12648. Psychotria barbiflora DC. Rub.
(7) Low erect subshrub in campina-rana forest. Flowers white. det. B. Boom 1985

12647. Annon.
(10) Treelet 5 m. tall in campina-rana. No latex. Fruits pendulous, aromatic, immature, shiny light green.

12649. Streptocalyx poeppigii Beer Bromel.
(15) Terrestrial bromeliad, sometimes on large tree limbs near ground, in campina-rana forest. Infl. axis and bracts rose-pink. Calyx white, turning pale blue in fruit. det. H. Luther 1984. ! L. B. Smith 1985

foto
seed → SEL

12650. Erythroxylum campinense A. Amaral Jr. Erythrox.
Det. T. Plowman

fotos (30) NY F GH ILL NCU DUR TEX US K MO
(A)
wood
Lus.
G U VEN P

Small shrub 0.5 – 1.0 m. tall in campina-rana forest. Branches spreading. greyish to reddish brown. Leaves somewhat shiny dark green above; light yellowish green, rather dull beneath. Flowers cream, short-styled. Immature fruits

DEC 2 6 1982

pale green, somewhat curved. Locally common in woodland, not in open campina.

12651. Erythroxylum campinense A. Amaral Jr. Erythrox.
(25) / Small shrub 0.5–1 m. tall with spreading branches in campina-rana forest. Branches greyish or reddish brown. Leaves somewhat shiny, medium to dark green above, lighter yellowish-green beneath. Flowers cream, long-styled. Fruits immature, pale green, somewhat curved. Locally common in woodland, not in open campina.

Det. T. Plowman
INPA
NY G
MEXU US
VDB
GH
U
MO
K

12652. Myrcia sp. Myrt.
(11) Erect shrub 1 m. tall in campina-rana forest. Flowers creamy white.
det Landrum 1984.

12653: ENCYCLIA FRAGRANS (SW.) LEMEE Orchid.
(7) Epiphytic orchid on soft tree limbs, forming dense colonies. Tepals greenish white - Lip cream with fine dark purples lines.
DET. E. CHRISTENSON 1988

12654. Orchid.
(1) Terrestrial orchid in campina-rana. Tepals pale yellow-green. Lip pale yellow with fine red stripes in center.

DEC 2 6 1982

12655. Epidendrum — Orchid
(3) Terrestrial herb in open campina marg in. Flowers yellowish green.

12656. Tabernaemontana rupicola Benth. — Apoc.
(6) Shrub 1.5 m. tall in shrub island in campina. Flower buds cream.
det. A Leeuwenberg 1984.

12657. Syngonanthus densus (Körn.) Ruhl. — Eriocaul.
(5) Tufted herb in open campina. Inflorescences white. det. Moldenke 1984.

12658. Pagamea cf. duckei Standl. — Rubiac.
(10) Shrub or treelet to 4 m. tall in shrub island in open campina. Inflorescence yellow-green. Flowers white. Calyx red in fruit; Immature fruits green. Leaves rubbery.
det. Kirkbr. de 1984
Photos

12659 Psychotria lupulina Benth. subsp. rhodoleuca (M. Arg.) Standl. var. maypurensis — Rubiac.
(7) Spindley shrub 2.5 m. tall in shrub island in open campina. Peduncle dark red-purple. Bracts + calyx rose-pink. Corolla white. det. Kirkbride 1984.

12660. Aechmea mertensii (Meyer) Schult. f. — Bromel.
(3) Epiphyte in campina-rena forest. Peduncle

DEC 2 6 1982

cream to pale pink. Bracts light red. Calyx pale green. Corolla yellow
det. L. B. Smith 1984.

12661. Palicourea nitidella Benth. Rubiac.
(5) Shrub 2 m. tall in shrub island in open campina. Infl. axis deep pink. Young calyx carmine pink.
det. Kirkbride 1984.

12662. Anthurium Arac.
(3) Epiphyte in campina-rana forest. Spathe and spadix yellow-green.

12663. Cattleya Orchid.
(2) Epiphyte in campina-rana forest. Tepals pale lavender. Lip whitish with light violet tip and yellow-orange throat.
foto?

12664. TALISIA CF. FIRMA RADLK. Sapind.
(6) Treelet 3 m. tall in shrub island in open campina. Ripe fruits yellow-orange, sweet within.
DET. P. ACEVEDO RODRIGUEZ 1988

12665. Swartzia recurva Poeppig Legum.
(9) Shrub 3 m. tall in shrub island in open campina. Fruits pendulous, dull green, pruinose. det. R. Cowan 1984.

DEC 2 6 1982

12666 - PRADOSIA SCHOMBURGKIANA (DC.) CRONQUIST Sapot.
(8) Spreading shrub or small tree 5 m. tall at margin of open campina. Very frequent. Flowers greenish white.
DET. T. D. PENNINGTON 1990

12667. Eugenia Myrt.
(7) Treelet 3 m. tall in campina rena forest. Flowers white. det. Landrum 1984.

12668. ? Phthirusa Loranth.
(8) Hemiperesite growing on malpighiaceous shrub in open campina. Flowers orange. det. J. Kuijt 1984

12669. Eugenia Myrt.
(9) Erect shrub 3.5 m. tall in shrub island in open campina. Leaves shiny on upper surface. Fruits orange.
det. Landrum 1984.

12670 - PROTIUM HEPTAPHYLLUM (AUBLET) MARCHAND Burserac.
SSP. ULEI (SWART) DALY
(5) Shrub 3 m. tall in margin of open campina. Flowers greenish yellow. Immature fruits pale green.
DET. D. DALY 1990

DEC 2 6 1982

Brazil: Estado Amazonas. Municipio Manaus. Road from Manaus to Caracaraí, km 43 at ZF-1.

26 Dec 1982. Coll. T. Plowman, E. W. Davis, B. Nelson

12671. Burser.
(10) Tree 6 m. tall in primary forest on terra firme. Fruits bright red.

12672. Geophila cordifolia Miq. Rubiac.
(7) Prostrate vine on ground in recently cleared path in forest. Corolla white. Fruits orange.
det. Kirkbride 1984.

12673. Palicourea nitidella Benth. Rub.
(4) Slender shrub 3 m. tall in primary forest. Peduncle dark red-purple. Infl. axis red. Corolla carmine red, white at apex.
det. Kirkbride 1984.

12674. Renealmia Zingib.
(7) Clump-forming herb in forest to 2.5 m. tall. Infl. basal, lying on ground. Bracts dull pale reddish brown. Ovary olive green. Calyx dull yellow. Corolla + staminodes pale yellow. Stamen pale red

DEC 2 6 1982

12675. Brunfelsia martiana Plowman Det. T. Plowman Solanac.
(2) Erect shrub 15 ft. from cut-over stump. New leaves purplish. Sterile.

12676. Ischnosiphon Marant.
(1) Herb 2.5 m. tall. Bracts green. Flowers pinkish.

12677. Henriettella caudata Gleason Melast.
(7) Tree 6 m. tall. Pedicels and immature fruits pink. det. J.J. Wurdack 1984

12678. Psychotria podocephala (M. Arg.) Standl. Rubiac.
(10) Treelet 3.5 m. tall. Calyx and Corolla cream. det. Kirkbride 1984.

12679. Parkia nitida Miq. Legum.
(6) Tree 25 m. tall x 35 cm. diam. Infl. and flowers cream. det. H.C. Hopkins 1983.

12680. Eschweilera WACHENHEIMII (R. BENOIST) Lecy H. SANDWITH
(10) Tree 12 m. tall x 20 cm. diam. Immature fruits brown. DET. S. MORI 1988

12681. Monotagma Marant.
(1) Herb 1 m. tall in forest. Bracts yellow-brown. Only one seen.

[Al. 12681A. Araceae climber with pinnately lobed lvs.]

12682. Philodendron Arac.
(2) Climbing herb a slender tree. Infl. solitary, subterminal, Spe the green.

12683. Tabernaemontana undulata Vahl Apoc.
(9) Shrub 3 m. tall. Leaves dark shiny green above, very pale dull green beneath. Stems with white latex. Flower buds pale pink.
det. Leeuwenberg 1984.

12684. Psicouria grandiflora (HBK.) Standl. Rubiac.
(7) Treelet 2.5 m. tall in forest margin. Infl. axis & peduncle orange. Ovary and pedicel and corolla tube pale yellow. Corolla lobes pale violet. det. Kirkbride 1984.
fotos

12685. Ebenac. ~~Annon.~~
(9) Weak tree 5 m. tall with long pendulous branches. Flowers in bud, tawny brown. In forest margin.

12686. ~~Swartzia~~ Bocoa viridiflora (Ducke) Cowan Legum.
(12) Tree 6 m. tall x 6 cm. diam. Flowers cream. Immature fruits

DEC 2 6 1982

dark green det. R. Cowan 1984.

12687. Psychotria cf. prancei Steyerm. Rubiac.
(7) Erect herb on bank in forest margin. Infl. dull green
det. Kirkbride 1984.

12688. Psychotria Rubiac.
(12) Shrub 1.5 m. tall. Brcts and leaves with red-violet hairs. Brcts light green. Corolla tube white, lobes pink.

DEC 2 7 1982 Brazil: Estado do Amazonas. Municipio do Manaus. Manaus. Campus do INPA, Estrada do Aleixo.
27 Dec 1982.

12689. Humiriantheria Icac.
(14) Woody liana 5 m. tall in disturbed secondary forest along road. Trunk 3 cm. diameter near base. Leaves shiny medium green above; dull pale green beneath with yellow nerves. Immature fruits brown.
fotos

28 Dec 1982.

12689A. Paullinia cupana HBK.

n. v. guaraná

F Dried seeds of guaraná.

Neoptychocarpus